

RICHARD C. BRUSCA

CURRICULUM VITAE

EMAIL: rbrusca@desertmuseum.org

WEBSITE: www.rickbrusca.com

A. EDUCATION

PhD: 1975, University of Arizona, Tucson, AZ

MSc: 1970, California State University (Los Angeles, CA)

BS: 1967, California State Polytechnic University (San Luis Obispo/Pomona, CA)

B. CAREER APPOINTMENTS

2012-present, Executive Director Emeritus and Research Associate, Arizona-Sonora Desert Museum.

1998-2024: Research Scientist, University of Arizona, Department of Ecology & Evolutionary Biology.

2001-2012: Arizona-Sonora Desert Museum. Executive Director, 2003-2009; Senior Director, Conservation & Science, 2001-2012; Director, Arizona-Sonora Desert Museum Press, 2002-2012.

1998-2001: Senior Research Scientist, Columbia University, New York.

1993-1998: Professor of Biology and Director, Graduate Program in Marine Biology (and Associate Director, Grice Marine Biological Laboratory), University/College of Charleston, SC.

1987-1993: Joshua L. Baily Chair and Curator, Invertebrate Zoology Department, San Diego Natural History Museum (Chief Curator, 1988-1990, Director, Research & Collections Division, 1990-1992)

1984-1987: Curator of Crustacea and Head, Invertebrate Zoology Section, Los Angeles County Museum of Natural History, Los Angeles

1980-1983: Director of Academic Programs, Catalina Marine Science Center, University of Southern California.

1975-1986: Assistant/Associate Professor of Biology (tenured) & Curator of Crustacea, Dept. Biological Sciences & Allan Hancock Foundation, University of Southern California, Los Angeles, CA.

C. OTHER PROFESSIONAL ACTIVITIES

2020-present. Judge for annual Reinhard Rieger Award, awarded by the Journal of Zoomorphology.

2019-2020. Consultant, Monterey Bay Aquarium Seafood Watch Program.

2019: *Insecta*, the Movie: https://www.youtube.com/watch?v=9rL6_auHRfl

2017-2019. Western Flyer Foundation, founding member, Board of Directors. 2019-present: Member of Advisory Council.

2018-2019: Volunteer with Tucson's Sanctuary Program: Catholic Family Services migrant assistance program and Tucson migrant legal clinic (KTT, "Keeping Tucson Together").

2016. Peer assessor, National Natural Landmarks Program (National Park Service).

2015-present: Subconsejo Técnico Científico del Parque Nacional Cabo Pulmo (Technical Advisory Board, Cabo Pulmo National Park), member.

2013-2014: Chair of Selection Committee, Arizona-Sonora Desert Museum Sonoran Desert Conservation Award.

2012-2018: Member of Science & Conservation Committee, Board of Trustees, Arizona-Sonora Desert Museum.

2012-present: Invertebrate Consultant, Environmental Protection Agency (EPA)/USGS Coastal Biogeographic Risk Assessment Program.

2012-2013: UNESCO-CONANP Expert Consultant in support of World Heritage Site designation for El Pinacate y El Gran Desierto de Altar Biosphere Reserve.

2012: IUCN World Heritage Programme consultant.

2011-2017: Board of Directors, Tohono Chul Park. Tucson, AZ. President and Chief Executive Officer, 2015-2016.

2010-2011: Co-Organizer, Gulf of California-Baja California Conservation Science Symposium (with Kama Dean). Loreto, Baja California, May 2011

2011: Co-organizer and Guide, "The Sea of Cortez Art Expedition" (with David Wagner: www.societyofanimalartists.com/tour_director.html)

2002-present: Advisory Board, Prescott College Kino Bay Center Research (Kino Bay, Sonora, Mexico)

2010-present: Science Advisory Board, Habitat Tracker Project, Florida State University (<http://tracker.cci.fsu.edu/project/>)

2009-2017: Board of Directors (Executive Committee), COBI (Comunidad y Biodiversidad, A.C.), Mexico.

2009: Reviewer, Encyclopedia of Life Rubenstein Fellowship Program.

2009. Participant, Arizona Game & Fish Department-Heritage Program Invertebrate Diversity Review.

2008-2011: Co-founder (and member, Board of Directors), Southern Arizona Buffelgrass Coordination Center (SABCC).

2008-present: Invited member, Expert Panel, Catalogue of Life project.

2008-2011. Science Reviewer, Monterey Bay Aquarium Seafood Watch research reports.

2008: Exhibit development collaboration (*Intimate Relationships*) honoring pollinators, for the multimedia exhibition and performing arts event "Resonating Bodies-Bumble Domicile." A 2008 production of Interaccess Electronic Media Arts Centre, Toronto, Ontario Canada. (<http://www.interaccess.org/exhibitions/special.php>)

2008: Invited participant, Foundations of Success (FOS) adaptive management-based strategic planning workshop for Comunidad y Biodiversidad (COBI).

2008: Invited peer consultant, Commission for Environmental Cooperation, Bering to Baja (B2B) Marine Protected Areas Assessment Program.

2007-2014: University of Arizona, Institute for the Study of Planet Earth (ISPE), Translational Environmental Research, Member of External Advisory Committee.

2007-2011: Appointed member, Advisory Board, Friends of Saguaro National Park.

- 2006-2010: Appointed member, Arizona Invasive Species Advisory Council (appointed by Governor Janet Napolitano).
- 2006-2008: Appointed member, Board of Directors, Discover Life in America (oversight of Great Smoky Mountains All Taxon Biodiversity Inventory).
- 2006-2008. Advisor, "Strange Days on Planet Earth." Eight-part television PBS series designed to improve science education and introduce the public to major global change issues. Produced by Sea Studios Foundation in cooperation with National Geographic Television and National Science Foundation.
- 2005: Invited member, Encuesta Nacional Para la Identificación de Prioridades de Conservación de la Biodiversidad en México (National Planning Process for Conservation Priority Setting in Mexico), CONABIO and Comisión Nacional de Áreas Naturales Protegidas, State of Mexico.
- 2004-2012: ASDM Research Coordinator Representative to AZA (American Zoo and Aquarium Association).
- 2004: Concept Development and Lead Organizer, The Gulf of California Conference 2004. Tucson, Arizona (concept, organization, fund-raising).
- 2004: Juror, *Art of the Sea of Cortez*. A juried exhibition of the Art Institute, Arizona-Sonora Desert Museum.
- 2004: Member, Academic Program Review Panel, Graduate Interdisciplinary Program in Insect Science, University of Arizona.
- 2003-present: Member, Advisory Board to School of Renewable Natural Resources, University of Arizona, Tucson, Arizona.
- 2003: Juror, *Nature Painted*. A juried exhibition of the Arizona-Sonora Desert Museum Art Institute.
- 2003: Member, Academic Program Review Panel, Ecology and Evolutionary Biology Department, University of Arizona.
- 2002-2011: Member, Board Executive Committee, Desert Southwest Cooperative Ecosystem Studies Unit (DS-CESU).
- 2002-2008: Member, Management Board, Sonoran Joint Venture.
- 2002-2003: Invited participant, United Nations Environment Program (UNEP) Global International Waters Assessment Project. Development of an integrated assessment of transboundary environmental problems and societal root causes associated in the Lower Colorado River, its Delta, and the Upper Gulf of California.
- 2002: Invited participant, Colorado River Delta Specialists Workshop. Developing a GIS-based map and database for conservation of the region (Sonoran Institute and University of Arizona).
- 2001-2010: Member, Science and Technical Advisory Team, Sonoran Desert Conservation Plan, Pima County, Arizona.
- 2001-2004: Member, Biological Experts Group, Agua Caliente Aquatic Ecosystem Study, Pima County, Arizona.
- 2000-2001: Director, Case Study Project, Pinacate/Gran Desierto and Upper Gulf of California/Colorado Delta Biosphere Reserves. UNESCO International Conference on Biodiversity and Society (April 2001), New York.
- 2000-2001: Member of Steering Committee, UNESCO Man and the Biosphere Programme International Conference on Biodiversity and Society (April 2001, New York City). <http://www.earthscape.org/rr1/cbs01/>

2000: Advisor, Global All-Species Inventory Initiative.

2000: Invited participant, Udall Center (UofA)/UCMEXUS (Univ. Calif.) Binational Workshops on International Water Policy Issues and Management in Lower Colorado River Watershed. (October & November, 2000).

2000-2009: Board of Directors, Sonoran Sea Aquarium.

2000: Invited Participant, World Wildlife Fund workshop on "Selection and Prioritization of Protected Marine and Coastal Zones in the Gulf of California." Guaymas, Sonora (2/14-2/17).

1999-2001: Research Associate, Arizona-Sonora Desert Museum.

1998-2004: Member, Board of Directors, CEDO (Center for the Study of Deserts & Oceans). Member of Executive Committee, 1998-2004; member of Research Advisory Board, 1998-2004.

1998: Plenary speaker, Annual Systematics Symposium, Missouri Botanical Garden.

1997-1998: Co-organizer (with Dr. Brian Kensley, Smithsonian Institution), 2nd International Isopod Conference, Amsterdam (July 15-18, 1998).

1997-1998: Co-organizer, 2nd National Science Foundation PEET Workshop: Training Tomorrow's Systematists. Woods Hole Oceanographic Institution.

1997-1998: Invited Nominator, PEW Fellows Program in Conservation and the Environment.

1997-2000: Board of Advisors, "The Shape of Life." An eight-part PBS series designed to improve science education and introduce the public to the animal kingdom. Produced by Sea Studios Foundation, in cooperation with National Geographic Television, National Science Foundation, and WNET. Reborn as the *Shape of Life. The Story of the Animal Kingdom*: <http://shapeoflife.org/>.

1997-1999: Australian Research Council. Member, Panel of Assessors.

1996: Invited plenary speaker, Phylogeny of Life Conference, University of Arizona, Tucson

1996-1999: Editor (Crustacea Pages) and author (Isopod Page), Tree of Life Project (<http://phylogeny.arizona.edu/tree/phylogeny.html>).

1995-2001: Board of Directors, Slocum-Lunz Foundation.

1995-2005: Taxonomic Specialist and Contractor, ETI (Expert Center for Taxonomic Identification), University of Amsterdam.

1995-present. National Geographic Explorer (National Geographic Society).

1995: Invited participant and organization committee member, North America - South Africa: University Linkages Planning Workshop Series (Charleston, Washington D.C., Johannesburg).

1994-2004: Appointed member, IUCN/SSC Inland Water Crustacea Specialist Group, IUCN Species Survival Commission.

1994: National Science Foundation, Panelist, workshop to develop criteria and guidelines for systematic biology.

1994-1997: Department of the Interior, ephemeral waters consultant to Bruce Babbitt, Secretary of the Interior.

1994-1996: N.O.A.A. National Undersea Research Program, member of grants review panel.

1991-1998: Polar Collections Advisory Committee, Smithsonian Institution/N.S.F. (Chair, 1991-1992).

1991-1993: Systematics Agenda 2000: Integrating Biological Diversity and Societal Needs (a national initiative), Co-Chair, Committee on Monographs and Classification.

1991-1992: "Darkened Waters: Profile of an Oil Spill," a traveling exhibit by the Pratt Museum (Homer, Alaska) on the Alaska *Exxon Valdez* oil spill; member of Advisory Panel and scientific editor for "Darkened Waters" (N. Lord, 66pp.), Pratt Museum, Homer.

1990-1994: *Exxon Valdez* Oil Spill, benthic invertebrate consultant (through Dames & Moore, Inc.).

1989-1993: Head, Diving Control Board, San Diego Natural History Museum.

1988-1993: Adjunct Professor of Biology, California State University, San Diego.

1988-2000: PharmaMar, Madrid. Invertebrate zoologist, expedition planner, and scientific diving consultant.

1988-1990: National Academy of Sciences Advisory Panel Member, PBS series "The Infinite Voyage" (National Academy of Sciences/WQED Pittsburgh).

1986-1990: National Science Foundation, Biological Systematics Program, Advisory Panel member.

1985-1998: Institute of Museum and Library Services (IMLS), field reviewer.

1985-1988: SeaPharm, Harbor Branch Oceanographic Institute. Invertebrate zoology consultant.

1985-1986: University Research Committee, advisory to President of the University, U.S.C.

1984-1986, 1991-1996: The Charles Lindbergh Fund, Member of Technical Review Panels.

1982-1986: Organization for Tropical Studies (O.T.S.), Member, Board of Directors.

1980-1995. The Crustacean Society (Founding and Charter Member, 1980; Program Officer 1986-1987; President 1992-93; Past-President 1994-1995).

1970-1972: Resident Director, University of Arizona-University of Sonora Cooperative Marine Laboratory, Puerto Peñasco, Sonora, Mexico.

1969-1970: Curator and Assistant Investigator, Aquatic Insects Laboratory, California State University, Los Angeles, CA.

1968-1969: Research Biochemist, CalBioChem, Los Angeles, CA.

1964-1965: Marine Biologist, U.S. Antarctic Research Program (USARP); 7 months in Antarctica

D. TEACHING RECORD

Courses taught (grad and undergrad): Summer Biodiversity Institute (Columbia University); Insect Biodiversity and Land Use Change in Sonora (University of Arizona); Invertebrate Zoology; Vertebrate Zoology; Desert Ecology; Natural History of Baja California and the Sea of Cortez; Biological Systematics; Biogeography and Paleoeology; General Zoology; Marine Biology; Marine Ecology; Crustacean Biology; Man and the Sea; Parasitology; Seminars on: Macroevolution, Cladistics, Phylogenetic Analysis, Biogeography, Evolutionary Morphology of Arthropods; Scientific Writing; Misc. field courses in Mainland Mexico and Baja California, Costa Rica, Panama and Florida.

1981-1983: Director of Academic Programs, Catalina Marine Science Center, U.S.C. Responsible for organizing and overseeing spring undergraduate and summer graduate teaching programs at Catalina Island Marine Laboratory.

1993-1999: Director, Graduate Program in Marine Biology, University of South Carolina, SC. Management of graduate program with ~60 students and ~95 graduate faculty; program

management, long-term curricular planning and implementation, acquisition of extramural funding.

PhD Students: Pedro Baez (with Jody Martin), Robert Cimberg, James Coyer, Paul Delaney, Richard Hammer, Philip Pepe, Diane Perry, Timothy Stebbins, Carol Stepien, Raymond Wells, Joseph Wible, Mary Wicksten (with John Garth), Richard Winn, Richard Zimmerman (with James N. Kremer).

MSc Students: Ali Eshkey, Wendy Moore, Sarah Riseman, Melina Thun, Sandy Trautwein, Barry Wallerstein, David White.

PostDocs: *Vania Coelho* (now on faculty at Dominican University, CA), *Scott France* (now on faculty at University of Louisiana), *Kim Franklin* (Senior Conservation Biologist, Arizona-Sonora Desert Museum), *Julia Kouwenberg* (currently working for European Union), *Zhiwei Liu* (on faculty at Eastern Illinois University), *Wallace M. Meyer* (on faculty at Pomona College).

E. ACADEMIC DISCIPLINE AND RESEARCH INTERESTS

Invertebrate zoology; ecology and evolutionary biology; marine biology; biodiversity, biogeography, and ecology of marine and ephemeral freshwater habitats; systematics, evolution, biogeography and ecology of crustaceans; natural history and conservation of the Sonoran Desert and Sea of Cortez; natural history of the Madrean Sky Islands (Arizona-Mexico); cultural archaeology of northwestern Mexico; cultural anthropology of Mesoamerica.

F. GRANTS AND CONTRACTS

- 2016. SCHLINGER FOUNDATION. Support for Research. \$10,000
- 2015. SCHLINGER FOUNDATION. Support for Research. \$5000
- 2014. SCHLINGER FOUNDATION. Support for Research. \$5000
- 2013. SCHLINGER FOUNDATION. Support for Research. \$5000
- 2012. SCHLINGER FOUNDATION. Support for Research. \$5000
- 2011-2013. NATIONAL GEOGRAPHIC SOCIETY. Will Climate Change Cause Mass Extinction in Arizona's Remote Sky Islands Region? The Effects of Climate Change on Ground-Dwelling Arthropod Biodiversity and Ecosystem Function in the Sky Islands of Southeastern Arizona. Co-Investigator with Wallace Meyer and Wendy Moore. \$19,969.
- 2011. SCHLINGER FOUNDATION. Support for Arthropod Research. \$5000.
- 2010. U.S. FOREST SERVICE (through Arizona State Forestry Service). Citizen Awareness and Monitoring Programs for Invasive Insects (*Cactoblastis cactorum*, *Solenopsis invicta*). \$15,000 (with Christine Conte)
- 2010. U.S. FISH & WILDLIFE SERVICE. ASDM Exhibits and Education Programs on Federally Listed Rare Plants of the Sonoran Desert Region. \$26,184 (with Christine Conte)
- 2010. WALLACE RESEARCH FOUNDATION. Migratory Species and *Sonorensis* underwriting. \$40,000 (with Christine Conte)

2009. INSTITUTE FOR MUSEUM AND LIBRARY SERVICES (IMLS). Phase IV, Arizona-Sonora Desert Museum Digital Library. \$150,000. (with Debra Colodner)
2009. SCHLINGER FOUNDATION. Research and Conservation Support for Arizona-Sonora Desert Museum. \$15,000.
2009. WALLACE RESEARCH FOUNDATION. Migratory Species and Climate Change in the Sonoran Desert. \$45,000 (with Christine Conte)
2009. NATIONAL PARK SERVICE. Saguars at Extremes. A Complicated Story at Tonto National Monument, Arizona. \$15,000.
2008. NATIONAL PARK SERVICE. Natural Resources Condition Assessment for Chiricahua National Monument, Coronado National Memorial and Fort Bowie National Historic Site. \$120,000. (with Mark Dimmitt).
2008. SCHLINGER FOUNDATION. Research and Conservation Support for Arizona-Sonora Desert Museum. \$15,000.
2007. INSTITUTE FOR MUSEUM AND LIBRARY SERVICES (IMLS). Phase III, Arizona-Sonora Desert Museum Digital Library. \$150,000. (with Mark Dimmitt)
2007. ARIZONA GAME AND FISH DEPARTMENT. Support for ASDM public education programming. \$45,000. (with Christine Conte)
2007. FRIENDS OF TUMACÁCORI NATIONAL HISTORICAL PARK. Documentation of Padre Eusebio Kino-Era Heritage Fruit Trees from Europe, and Development of a “Kino Orchard” at Tumacácori National Historical Park. \$35,000. (with Jesús Garcia)
2007. SCHLINGER FOUNDATION. Research and Conservation Support for Arizona-Sonora Desert Museum. \$20,000.
2006. U.S. FISH & WILDLIFE SERVICE. Support for Research and Monitoring of E.S.A.-Listed Plant and Animal Species. \$48,000.
2006. U.S. FISH & WILDLIFE SERVICE AND BUREAU OF RECLAMATION. Captive Breeding of the Endangered Freshwater Clam *Anodonta californiensis* (the “California Floater”). \$58,750. (with Craig Ivanyi)
2006. SCHLINGER FOUNDATION. Research and Conservation Support for Arizona-Sonora Desert Museum. \$10,000.
2006. NATIONAL PARK SERVICE. Citizen scientist invasive species rapid detection & reporting initiative; continuing support. \$8,000
2006. SEA STUDIOS & NATIONAL SCIENCE FOUNDATION. Citizen scientist invasive species rapid detection & reporting initiative; continuing support. \$35,000
2005. AMERICAN ZOO & AQUARIUM ASSOCIATION (AZA), Conservation Endowment Fund. Invaders: A Citizen Scientist Invasive Species Initiative. \$18,220.
2005. INSTITUTE FOR MUSEUM AND LIBRARY SERVICES (IMLS). Phase II, Arizona-Sonora Desert Museum Digital Library. \$150,000. (with Mark Dimmitt)
2005. THE FEAR NOT FOUNDATION. Support for film project, “In the Wake of Western Flyer.” \$50,000 (with Lindsey Haskin)
2005. SEA STUDIOS & VULCAN PRODUCTIONS. Citizen scientist invasive species rapid detection & reporting initiative. \$53,000.
- 2004-2005. THE DAVID AND LUCILLE PACKARD FOUNDATION. A benchmark analysis of Gulf of California esteros/estuaries: status, importance, and research and conservation needs. \$84,000.
- 2004-2007. NATIONAL PARK SERVICE. Recovery and re-establishment of Father Eusebio Kino’s fruit trees from Sonora, Mexico. \$40,000. (with Robert Emanuel)

2004. SONORAN INSTITUTE. Support for The Gulf of California Conference 2004. \$5,000.
2004. CONSERVATION INTERNATIONAL. Support for The Gulf of California Conference 2004. \$5,000.
2004. WORLD WILDLIFE FUND. Support for The Gulf of California Conference 2004. \$10,000.
2004. THE DAVID AND LUCILLE PACKARD FOUNDATION. Support for The Gulf of California Conference 2004. \$30,000
2004. THE NATURE CONSERVANCY. Support for The Gulf of California Conference 2004. \$5,000.
2004. HOMELAND FOUNDATION (aka MARISLA FOUNDATION). Support for The Gulf of California Conference 2004. \$10,000.
2004. SONORAN SEA AQUARIUM. Support for The Gulf of California Conference 2004. \$10,000.
- 2003-2004. NATIONAL PARK SERVICE. Field Guide to Sonoran Desert Pollinators. \$10,000.
- 2003-2004. WALLACE RESEARCH FOUNDATION. A Natural History of the Sea of Cortez (conference and book) – Part 1. \$15,000.
- 2003-2004. NATIONAL PARK SERVICE. Aquatic Invertebrate Survey, Santa Cruz River. \$75,000.
2003. STONEWALL FOUNDATION. \$30,000. Support for Amigos del Desierto Program, Arizona-Sonora Desert Museum.
2003. BAT CONSERVATION INTERNATIONAL. \$6,000. Bat education outreach in Southern Arizona.
2003. CONSERVATION INTERNATIONAL. \$6,000. Publication of Sea of Cortez Faunal Checklist.
- 2002-2003. ORIGINS SOCIETY. \$1,500. Underwriting for Sea of Cortez Conference.
- 2002-2003. WALLACE RESEARCH FOUNDATION. A Natural History of the Sea of Cortez (conference and book) – Part 2. \$15,000.
- 2002-2003. G.A. BINNEY FOUNDATION. \$5,000. Support for Conference on the Sea of Cortez.
- 2002-2003. GILES MEAD FOUNDATION. \$15,000. Hummingbird Nectar Corridors and Educational Outreach in the Southern Arizona Border Region: An Extension of the Migratory Pollinators Program.
- 2002-2003. NATIONAL PARK SERVICE. \$14,000. Establishing pollinator gardens at Tumacacori National Historic Site and San Lázaro (Sonora).
2002. SONORAN JOINT VENTURES. Borderland Pollinator Education. \$10,000
- 2001-2002 (18 mos.). NATIONAL PARK SERVICE. Botany internship for Organ Pipe National Monument. Approx. \$57,000.
- 2001-2002 (18 mos.). NATIONAL PARK SERVICE. Mountainlion internship for Saguaro National Park. Approx. \$36,000.
- 1999-2001. UNESCO (United Nations). \$15,000. A Case Study on the Upper Gulf of California/Colorado River Delta and El Pinacate/Gran Desierto de Altar Biosphere Reserves of Northwest Mexico.
- 1995-2001. NATIONAL SCIENCE FOUNDATION: A Revision of the Cirolanidae (Crustacea: Peracarida: Isopoda), with Monographs on Selected Genera and a Phylogenetic Analysis of the Family. \$633,000. (PEET Program, Division of Environmental Biology)

- 1996-1997. NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION: Photo-Identification of Bottlenose Dolphins. \$10,499 (Graduate Student Support).
- 1996-1997. NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION: Sediment Toxicity Testing Using Juvenile Clams. \$2,119 (Graduate Student Support).
- 1995-1996. CONSERVATION INTERNATIONAL: Biodiversity Database for the Sea of Cortez (Gulf of California) - Phase II: \$13,000.
- 1995-1996. NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION: Photo-Identification of Bottlenose Dolphins. \$18,759 (Graduate Student Support).
- 1995-1996. NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION: Role of Bacteria in PSP Toxin Production and Evaluation of Phycotoxin Assays. \$31,000. [Co-P.I. with Gregory Doucette] (Graduate Student Support)
- 1995-1996. NATIONAL GEOGRAPHIC SOCIETY: Evolution of Polynesian Island Marine Faunas. \$9,000.
- 1995-1996. AMERICAN PHILOSOPHICAL SOCIETY: Evolution of Polynesian Island Marine Faunas. \$3,800.
- 1995-1996. NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION: Technical Support for Toxic Dinoflagellate Research for National Marine Fisheries Service Charleston Laboratory. \$62,320 (Graduate Student Support).
- 1995-1996. NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION: Graduate Student Fellowships for University of Charleston students. \$49,027.
1995. UNIVERSITY OF CHARLESTON, Research Committee. Biogeography of Polynesian Marine Faunas. \$2,500.
- 1994-1997. NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION: Database Management & Assessment in Support of the Joint NOAA-NS&T/EPA-EMAP Coastal Research & Monitoring Program. \$299,090.
- 1993-1995. CONABIO (Comisión Nacional Para el Conocimiento y Uso de la Biodiversidad), Mexico; Biodiversity Database for the Sea of Cortez (Gulf of California). Phase I: \$26,200
- 1993-1994. U.S. NAVY: Biodiversity Analysis of Vernal Pool Arthropods on Miramar Naval Air Station, San Diego, CA. \$77,567.
1992. SMITHSONIAN INSTITUTION, WASH. D.C.: Short-term Visitors Grant.
- 1992-1994. CalBioMarine Technologies/NATIONAL CANCER INSTITUTE: Taxonomy and Collection of Marine Invertebrates for Feasibility Studies on the Aquaculture of Marine Organisms for Pharmacological Studies.
- 1992-1994. PACIFIC GAS & ELECTRIC/BECHTEL: Survey of Vernal Pool Invertebrate Communities of California's Central Valley. (M. Simovich)
- 1990-1992. NATIONAL SCIENCE FOUNDATION: Monographic Studies on Marine Isopod Crustaceans of the Tropical Eastern Pacific. V.
- 1990-1992. U.S. BUREAU OF LAND MANAGEMENT/MINERALS MANAGEMENT SURVEY (through Science Applications Inc.): Benthic Atlas of Santa Maria Basin, California (Crustacea, Isopoda).
- 1989-1991. THE WEILER FOUNDATION: Biogeography of Polynesian Marine Faunas.
- 1989-1991. NATIONAL GEOGRAPHIC SOCIETY: Evolution of Polynesian Island Marine Faunas.
1988. SMITHSONIAN INSTITUTION, WASH. D.C.: Short-term Visitors Grant.

- 1987-1989. NATIONAL SCIENCE FOUNDATION: Monographic Studies on Marine Isopod Crustaceans of the Tropical Eastern Pacific. IV.
- 1986-1989. NATIONAL SCIENCE FOUNDATION: Collection Facilities Support for Crustacea Collection, L.A. County Museum of Natural History.
- 1986-1987. NATIONAL SCIENCE FOUNDATION: Monographic Studies on Marine Isopod Crustaceans of the Tropical Eastern Pacific. III.
- 1985-1986. THE RALPH J. WEILER FOUNDATION: Effects of Siltation on Invertebrate Communities on a Caribbean Coral Reef (Cahuita National Park, Costa Rica).
- 1985-1986. BIOMEDICAL RESEARCH GRANT, NATIONAL INSTITUTES OF HEALTH: X-Ray Microanalysis of Heavy Metals in the Sand Crab *Emerita analoga*. [for grad student support]
- 1984-1985. BIOMEDICAL RESEARCH SUPPORT GRANT, NATIONAL INSTITUTES OF HEALTH: Characterization of Ultrastructural Mineralization in Crustacean Exoskeleton and the Co-deposition of Toxic Heavy Metals. [for grad student support]
1981. THE CHARLES LINDBERGH FUND: Systematics of Costa Rican Isopod Crustaceans.
- 1981-1983. NATIONAL SCIENCE FOUNDATION: Monographic Studies on Marine Isopod Crustaceans of the Tropical Eastern Pacific. II.
1978. NATIONAL SCIENCE FOUNDATION: Comparative Studies on Tropical American *Sargassum* Communities [one of several projects for joint use of the R/V Alpha Helix in the western Caribbean].
- 1978-1979. BIOMEDICAL RESEARCH SUPPORT GRANT, NATIONAL INSTITUTES OF HEALTH: The Roles of Thermal Stress and Predation in the Regulation of Marine Isopod Crustacean Distributions in the Eastern Pacific.
- 1978-1980. NATIONAL SCIENCE FOUNDATION: Visiting Scientist Support, Costa Rica. To assist the University of Costa Rica's new Marine Sciences Institute with programs start-up.
- 1978-1980. NATIONAL SCIENCE FOUNDATION: Monographic Studies on Marine Isopod Crustaceans of the Tropical Eastern Pacific. I.
- 1977-1978. CALIFORNIA STATE DEPARTMENT OF FISH AND GAME: Survey of Coastal Sites of Designated Ecological Significance in Southern California.
- 1977-1978. BIOMEDICAL RESEARCH SUPPORT GRANT, NATIONAL INSTITUTES OF HEALTH: Reproduction and Spermatophores of the Calanoid Copepod *Acartia tonsa*.
- 1976-1977. N.O.A.A., SEA GRANT: Food Resource Dynamics and Utilization in a Channel Island *Macrocystis* Habitat.

G. HONORS/AWARDS

For fiction awards, see *In the Land of the Feathered Serpent* and *The Time Travelers*, in publication list below.

- 2016: National Museum of Natural History (Smithsonian Institution), Science Achievement Award for professional paper: Ruggiero, et al. 2016, A higher level classification of all living organisms, PLoS ONE 10: e0119248. Over 1,000 citations in the professional literature.
- 2014: Elected to Fellow, California Academy of Sciences.

- 2013: Southwest Books of the Year, “Best Read” Award for: *A Natural History of the Santa Catalina Mountains, with an Introduction to the Sky Island Region*.
<http://www.library.pima.gov/books/swboy/2013/toppicks.php>
- 2012: *Luminaria Award*, from the Arizona-Sonora Desert Museum.
- 2006 – 2011: Book Awards (development & production of ASDM Press books).
Dining with the Desert Museum. Tabasco Regional Cookbook Award; Four-Color Design Award.
Hip Hip Hooray, It’s Monsoon Day. AAAS Science Children’s Book “Highest Rating”; One Book Arizona Award; Américas Award for Latin American & Caribbean Studies; Judy Goddard/Libraries Lts., Children’s Book Award.
Katie, of the Sonoran Desert. IPPY Medal for Multicultural Children’s Book; Moonbeam Gold Medal for Spanish Language Children’s Book.
The Little Saguaro. IPPY Medal for Multicultural Children’s Book.
Vanishing Circles. Portraits of Vanishing Wildlife of the Sonoran Desert Region. IPPY Medal for Western Regional Non-Fiction Book.
2011. Partners in Conservation Award, U.S. Department of Interior (from Secretary Ken Salazar), to Southern Arizona Buffelgrass Coordination Center, a not-for-profit (501c3) co-founded by R. C. Brusca, Sarah Smallhouse, Julio Betancourt, Jim Kiser, and Alix Rogstad.
2010. *Estrella de Mar Award*, “in recognition of extraordinary contributions to advancing knowledge, appreciation and protection of the Gulf of California.” *Centro Intercultural de Estudios de Desiertos y Océanos*, Mexico/U.S.A.
2010. Public Lands Stewardship Award, U.S. Department of the Interior, to Southern Arizona Buffelgrass Coordination Center, a not-for-profit (501c3) co-founded by R.C. Brusca, Sarah Smallhouse, Julio Betancourt, Jim Kiser, and Alix Rogstad.
2007. Award from Pima County and Mr. Chuck Huckleberry (Pima County Supervisor), for service on the Science and Technical Advisory Team for the Sonoran Desert Conservation Plan, Pima County, Arizona.
2004. New England Book Show: Juried award for best new college textbook: *Invertebrates*, 2nd ed. (R. C. Brusca/G. J. Brusca, Sinauer Associates).
- 2003: Play based on 1983 Brusca/Gilligan research on *Cymothoa exigua*. “Tennessee Speaks in Tongues for You” by R.J. Tsarov. Premiered at annual Tennessee Williams Festival, 2003, New Orleans (www.bestofneworleans.com/dispatch/2003-04-01/thea_review.html); most recent performance at Rhinofest, Chicago (www.chicagoreader.com/features/stories/theaterreviews/060915_2/).
- 2001: Elected to Fellow, American Association for the Advancement of Science (AAAS)
- 2000: Elected to Fellow, Linnean Society of London (FLS)
- 1995: Distinguished Achievement Award, School of Sciences and Mathematics, College of Charleston.
- 1994: Hammer Award Nominee & Honorable Mention (as a member of the Fort Johnson 6-person Marine & Environmental Health Laboratory Planning Team), "*Heroes of Reinvention/Al Gore Hammer Award*" (Vice President Gore's "Reinventing Government Program")
- 1991-present: Honorary lifetime member *Asociacion de Investigadores del Mar de Cortes*.
1990. New England Book Show: Juried award for best new college textbook: *Invertebrates* (R. C. Brusca/G. J. Brusca, Sinauer Associates).

- 1990: Commendation for editorial contributions to *Revista de Biología Tropical*, the scientific journal of the University of Costa Rica.
- 1989: Award of Recognition from *The Binational Emergency Medical Care Committee* [for contributions to the well being of the people of Mexico].
- 1984-present: Eponymies: *Colanthura bruscai* Poore, 1984 (Isopoda); *Excorallana bruscai* Delaney, 1984 (Isopoda); *Cleantioides bruscai* (Kensley, 1987) [as *Miratidotea bruscai*] (Isopoda); *Progebiophilus bruscai* Salazar and Leija, 1989 (Isopoda); *Schizobopyrina bruscai* Campos and Campos, 1990 (Isopoda); *Apanthura bruscai* Müller, 1992 (Isopoda); *Exosphaeroma bruscai* Espinosa-Pérez and Hendrickx, 2001 (Isopoda); *Cirolana bruscai* Bruce & Olesen, 2002 (Isopoda); *Aega rickbruscai* Bruce, 2004 (Isopoda); *Bathynomus bruscai* Lowry & Dempsey, 2006 (Isopoda); *Tachys bruscai* Erwin & Zamorano, 2014 (a beach beetle from the Sea of Cortez)
- 1983: Phi Kappa Phi National Honor Society, Faculty Recognition Award
- 1981: Research Excellence Award, University of Southern California
- 1980: Charter Member, *The Crustacean Society*. President 1991-1993
- 1977 (to present): *Sigma Xi* (member-at-large)
- 1965: U.S. Department of Defense, Civilian Service Medal

H. EDITORIAL APPOINTMENTS & BOOK PRODUCTION

Arizona-Sonora Desert Museum Press. Director, 2005-2010. Oversight of all ASDM Press books: acquisition, development, editing, design, printing and marketing.

- Includes concept and development of bilingual children's books on Sonoran Desert natural history, with accompanying curricular material, 2006-present. *My Nana's Remedies* (Roni Capin-Ashford); *Hip Hip, It's Monsoon Day* (Roni Capin-Ashford); *The Little Saguaro* (Shannon Young); *Alice. A Story of Friendship* (William Verbooten); *Katie, of the Sonoran Desert* (Kate Jackson).

- Includes concept and development of *Dining with the Desert Museum* (Tabasco 2006 Regional Cookbook Award); *A Desert Illuminated. Cactus Flowers of the Sonoran Desert; Desert Gardens. A Photographic Tour of the Arizona-Sonora Desert Museum; Vanishing Circles. Portraits of Disappearing Wildlife in the Sonoran Desert Region*; and, *Mountain Wildflowers of Southern Arizona. A Field Guide to the Santa Catalina Mountains and Other Nearby Ranges*.

Arizona-Sonora Desert Museum Publications in Natural History. Book series editor (co-published by ASDM Press and University of Arizona Press). 2001-present.

Tropical Zoology, National Research Institute of Italy. Member of Advisory Board, 2002-present (last renewed 2017).

Ciencias del Mar, UAS. Universidad Autónoma de Sinaloa, Mazatlán, Sinaloa, Mexico. Member, Editorial Board, 1998-present.

McGraw-Hill Encyclopedia of Science & Technology. Member, Board of Consulting Editors, 1996-2000.

Invertebrate Taxonomy. CSIRO, Melbourne, Australia. Regional Advisor, North America, 1991-present.

Latin American Journal of Aquatic Research (formerly Investigaciones Marinas). Member, Editorial Board, 1989-present.

Kansas Biology Teacher. Consultant to the Editor, Kansas Biology Teacher, Emporia State University, KA, 1992-2010.

San Diego Museum of Natural History. Member, Editorial Board, 1987-1994. (Proceedings, Science Series, Transactions)

Allan Hancock Foundation. Editor, 1978-1985; Member of Publications Committee, 1977-1990. (Monographs in Marine Biology, Occasional Papers, Technical Reports, Miscellaneous Publications).

Los Angeles County Museum of Natural History. Member of Editorial Board, 1985-1987. (Contributions in Science, Science Series, Technical Series).

Gayana. The zoology journal of the Universidad de Concepcion, Chile. Member, Editorial Board, 1983-1990.

I. EXPEDITIONARY RESEARCH

New World: Throughout North, Central and South America (Guatemala, Nicaragua, Ecuador, Bolivia, Argentina, Brazil, Galapagos Is., Peru, Uruguay, Chile; extensive in Mexico, Costa Rica, Panama, Argentina); Argentine Patagonia (overland, from Puerto Madryn to Ushuaia, Tierra del Fuego); throughout Caribbean (extensive in Virgin Is., Bahamas, Roatan, San Andres, Belize Barrier Reef). Submersible work (Johnson SeaLink) in Caribbean and Galapagos Islands.

Pacific: Bora Bora, Moorea, Tahiti, Rarotonga, Aitutaki, Tonga (Nuku'alofa, Vava'u), American and Western Samoa, Fiji, Guam, Australia (extensive), New Zealand, Hawaii, Antarctica.

Old World: Throughout Western Mediterranean, Spain, Morocco, South Africa, Swaziland, Namibia, Madagascar, Taiwan, Thailand (central and northern).

PUBLICATIONS OF RICHARD C. BRUSCA
(* Refereed work; Authored/title page-edited books in boldface)

1. *1971. Brusca, R. C. A new species of *Leptohyphes* from Mexico (Ephemeroptera: Tricorythidae). *Pan-Pacific Entomologist* 47(2): 146-148.
2. *1972. Brusca, R. C. and J. Haig. Range extensions of porcelain and hermit crabs in the Gulf of California. *Bulletin of the Southern California Academy of Sciences* 71(1): 56.
3. 1973. Brusca, R. C. The fiddler crabs of the Gulf of California, Part I: Ecology. *The Stomatopod* 3(1): 16-17.
4. 1973. Brusca, R. C. The fiddler crabs of the Gulf of California, Part II: Taxonomy. *The Stomatopod* 3(2): 38-40.
5. *1973. Allen, R. K. and R. C. Brusca. New species of Leptohiphinae from Mexico and Central America (Ephemeroptera: Tricorythidae). *Canadian Entomologist* 105: 83-95.
6. 1973. Brusca, R. C. ***A Handbook to the Common Intertidal Invertebrates of the Gulf of California***. 427 pp., 295 figs. University of Arizona Press, Tucson.
7. *1973. Brusca, R. C. and R. K. Allen. A new species of *Choroterpes* from Mexico (Insecta: Ephemeroptera). *Journal of the Kansas Entomological Society* 46: 137-139.
8. *1973. Allen, R. K. and R. C. Brusca. The known geographic distribution of the Mexican mayfly genera in North America (Insecta, Ephemeroptera). *Proceedings of the First International Conference on Ephemeroptera*. E. J. Brill, Leiden, Holland. Pp. 49-63.
9. 1974. Brusca, R. C. La Paz, the City of Peace. *The Stomatopod* 4(1): 16-18.
10. 1975. Brusca, R. C. Report of the Alpha Helix Baja California Expedition, Zoological classification. *In*, Alpha Helix Research Program, 1972-1974. Scripps Institution of Oceanography, University of California, San Diego: 72-73.
11. 1975. Hager, L. P., R. H. White, P. F. Hollenberg, R. C. Brusca, D. L. Doubeck and R. Guerrero. A survey of organic halogens in marine organisms. Report of the Alpha Helix Baja California Expedition. *In*, Alpha Helix Research Program, 1972-1974. Scripps Institution of Oceanography, University of California, San Diego: 73-75.
12. *1975. Krejcarek, G. E., R. H. White, L. P. Hager, W. O. McClure, R. D. Johnson, K. L. Rinehart, J. A. McMillan, I. C. Paul, P. D. Shaw and R. C. Brusca. A rearranged dibromotryosine metabolite from the sponge *Verongia aurea*. *Tetrahedron Letters* 8: 507-510.
13. *1975. Snyder-Conn, E. and R. C. Brusca. Shrimp population dynamics and fishery impact in the northern Gulf of California. *Ciencias Marinas* 2: 54-67.

14. *1976. Rinehart, K. L., W. O. McClure, L. P. Hager and R. C. Brusca. A survey of organic halogens in marine organisms. Proceedings of the *Food and Drugs from the Sea Conference, 1974*. Journal of the Marine Technology Society, pp. 421-428.
15. *1976. Brusca, R. C. Evolución geológica del norte del Golfo de California y comentarios sobre su fauna. Pp. 85-93 in, *Sonora: Anthropología del Desierto, Session de Ecología del Desierto de Sonora*. Instituto Nacional Anthropología y Historia (INAH), Mexico, D.F.
16. *1977. Brusca, R. C. and D. A. Thomson. The Pulmo Reefs of Baja California: True coral reef formation in the Gulf of California. *Ciencias Marinas* 1(3): 37-53.
17. 1977. Brusca, R. C. and J. Coyer. Food resource dynamics and utilization in a Channel Island *Macrocystis* habitat. *In, The Planning and Management of California's Coastal Resources*. University of Southern California, Sea Grant Annual Reports, pp. 20-21.
18. *1977. Brusca, R. C. and B. R. Wallerstein. The marine isopod crustaceans of the Gulf of California. I. Family Idoteidae. *American Museum Novitates* 2634: 1-17.
<http://digitallibrary.amnh.org/dspace/handle/2246/2949>
19. *1977. Brusca, R. C. Range extensions and new host records of cymothoid isopods (Isopoda: Cymothoidae) in the east Pacific. *Bulletin of the Southern California Academy of Sciences* 76(2): 128-131.
20. *1978. Allen, R. K. and R. C. Brusca. Generic revisions of mayfly nymphs. II. *Thraulodes* in North and Central America (Leptophlebiidae). *Canadian Entomologist* 110: 413-433.
21. 1978. Coyer, J. and R. C. Brusca. Food resource dynamics and utilization in a Channel Island *Macrocystis* habitat [update]. Pp. 18-20 *in, The Planning and Management of California's Coastal Resources*. University of Southern California, Sea Grant Annual Reports.
22. *1978. Brusca, R. C. Studies on the cymothoid fish symbionts of the eastern pacific (Isopoda: Cymothoidae). I. Biology of *Nerocila californica*. *Crustaceana* 34(2): 141-154.
23. *1978. Brusca, R. C. and M. Ninos. The status of *Cirolana californiensis* Schultz and *Cirolana deminuta* Menzies and George, with a key to the California species of *Cirolana* (Isopoda: Cirolanidae). *Proceedings of the Biological Society of Washington* 91(2): 379-385.
24. 1978. Brusca, G. J. and R. C. Brusca. *A Naturalist's Seashore Guide. Common Marine Life of the Northern California Coast and Adjacent Shores*. 205 pp. Mad River Press, Eureka, CA.

25. *1978. Brusca, R. C. Studies on the cymothoid fish symbionts of the Eastern Pacific (Crustacea: Isopoda: Cymothoidae). II. Biology and systematics of *Lironeca vulgaris*. Occasional Papers of the Allan Hancock Foundation (n. ser.) 2: 1-19.
26. *1979. Brusca, R. C. and B. R. Wallerstein. Zoogeographic patterns of idoteid isopods in the northeast Pacific, with a review of shallow-water zoogeography for the region. Bulletin of the Biological Society of Washington 3: 67-105. [>200 citations in the professional literature]
27. *1979. Brusca, R. C. and B. R. Wallerstein. The marine isopod crustaceans of the Gulf of California. II. Idoteidae. New genus, new species, new records, and comments on the morphology, taxonomy and evolution within the family. Proceedings of the Biological Society of Washington. 92(2): 253-271.
28. 1979. Brusca, R. C. Heisler Park Ecological Reserve, Orange County, CA. California Marine Waters, Areas of Special Biological Significance, California State Reconnaissance Survey Report 79-2: 1-29.
29. 1979. Brusca, R. C. Irvine Coast Marine Life Refuge, Orange County, CA. California Marine Waters, Areas of Special Biological Significance, California State Reconnaissance Survey Report 79-3: 1-30.
30. 1979. Brusca, R. C. Newport Beach Marine Life Refuge, Orange County, CA. California Marine Waters, Areas of Special Biological Significance, California State Reconnaissance Survey Report 79-4: 1-25.
31. 1980. Brusca, R. C. The Allan Hancock Foundation of the University of Southern California. Association of Systematics Collections Newsletter 8(1): 1-7.
32. 1980. Brusca, R. C. ***Common Intertidal Invertebrates of the Gulf of California. 2nd Edition.*** 513 pp., 340 figs, 243 B&W photos, color photos. University of Arizona Press, Tucson, AZ. [Around 1,000 citations in the professional literature.]
33. 1980. Brusca, R. C. and D. M. Perry. The function of the shell spine in the predaceous intertidal snail *Acanthina spirata*. American Zoologist 20(4): 919. [abstract]
34. *1980. Thun, M. and R. C. Brusca. On the status of the eastern Pacific cymothoid fish parasite *Braga occidentalis* Boone, and its synonymy with *B. patagonica* Schioedte and Meinert (Crustacea: Isopoda: Cymothoidae). Bulletin of the Southern California Academy of Sciences 79(3): 130-132.
35. *1981. Rinehart, K. L. and 24 other authors. Marine natural products as sources of antiviral, antimicrobial, and antineoplastic agents. Pure and Applied Chemistry 53: 795-817. [~300 citations in the professional literature]

36. *1981. Brusca, R. C. A monograph on the Isopoda Cymothoidae (Crustacea) of the Eastern Pacific. *Zoological Journal of the Linnean Society* (London) 73(2): 117-199. [~400 citations in the professional literature]
37. *1982. Wallerstein, B. R. and R. C. Brusca. Fish predation: A preliminary study of its role in the zoogeography and evolution of shallow-water idoteid isopods (Crustacea: Isopoda: Idoteidae). *Journal of Biogeography* 9: 135-150.
38. *1982. Bruce, N. L., R. C. Brusca and P. M. Delaney. The status of the isopod families Corallanidae Hansen, 1890 and Excorallanidae Stebbing, 1904 (Flabellifera). *Journal of Crustacean Biology* 2(3): 464-468.
39. *1983. Brusca, R. C. A monograph on the isopod family Aegidae in the tropical Eastern Pacific. I. The genus *Aega*. Allan Hancock Foundation, Monographs in Marine Biology, 12: 1-39.
40. *1983. Brusca, R. C. Two new idoteid isopods from Baja California and the Gulf of California (Mexico) and an analysis of the evolutionary history of the genus *Colidotea* (Crustacea: Isopoda: Idoteidae). *Transactions of the San Diego Society of Natural History* 20(4): 69-79.
41. *1983. Brusca, R. C. and M. R. Gilligan. Tongue replacement in a marine fish (*Lutjanus guttatus*) by a parasitic isopod (Crustacea: Isopoda). *Copeia* 3: 813-816.
42. *1984. Brusca, R. C. Phylogeny, evolution and biogeography of the marine isopod subfamily Idoteinae (Crustacea: Isopoda: Idoteidae). *Transactions of the San Diego Society of Natural History* 20(7): 99-134.
43. 1985. Brusca R. C. Corals and Coral Reefs of the Galapagos Islands, by P. W. Glynn and G. M. Wellington (with an Annotated List of the Scleractinian Corals of the Galapagos, by J. W. Wells). *Environmental Conservation* (Geneva), 12(2): 191-192. [book review]
44. *1985. Stepien, C. A. and R. C. Brusca. Nocturnal attacks on nearshore fishes in southern California by crustacean zooplankton. *Marine Ecology Progress Series* 25: 91-105.
45. 1985. Brusca, R. C. The Biology of Terrestrial Isopods, by S. L. Sutton & D. M. Holdich (eds.). *Science* 230(4726): 659. [book review]
46. *1985. Delaney, P. M. and R. C. Brusca. Two new species of *Tridentella* Richardson, 1905 (Isopoda: Flabellifera: Tridentellidae) from California, with a rediagnosis and comments on the family and a key to the genera of Tridentellidae and Corallanidae. *J. Crustacean Biol.* 5(4): 728-742.
47. *1985. Brusca, R. C. and E. W. Iverson. A guide to the marine isopod Crustacea of Pacific Costa Rica. *Revista Biología Tropical* 33 (Suppl. 1): 1-77.

48. 1985. Brusca, R. C. and R. Wetzer. Marshes of the Ocean Shore, by J. V. Siry. *Environmental Professional* 7(2): 191-192. [book review]
49. *1986. McClure, W. O., D. E. Baxter, R. C. Brusca, R. D. Crosland, T. H. Hsiao, M. L. Koenig, J. V. Martin and J. E. Yoshino. Studies of two novel presynaptic toxins, pp. 1203-1214 in, I. Hanin (ed.), *Dynamics of Cholinergic Function*. Plenum Press, N.Y.
50. *1987. Brusca, R. C. Biogeographic relationships of Galapagos marine isopod crustaceans. *Bulletin of Marine Science* 41(2): 268-281.
51. *1987. Wetzer, R., P. M. Delaney and R. C. Brusca. *Politolana wickstenae* new species, a new cirolanid isopod from the Gulf of Mexico, and a review of the "*Conilera* genus-group" of Bruce (1968). *Contributions to Science, Los Angeles County Natural History Museum* 392: 1-10.
52. *1987. Brusca, R. C. and J. R. Weinberg. A new isopod crustacean from Pacific Panama, *Exciorolana chamensis* new species (Isopoda: Flabellifera: Cirolanidae). *Contributions to Science, Los Angeles County Natural History Museum* 392: 11-17.
53. *1988. Guzman, H. M., V. L. Obando, R. C. Brusca and P. M. Delaney. Aspects of population biology of the marine isopod *Excorallana tricornis occidentalis* Richardson, 1905 (Crustacea: Isopoda: Corallanidae) at Cano Island, Pacific Costa Rica. *Bulletin of Marine Science* 43(1): 77-87.
54. 1989. Brusca, R. C. Foreword, in, A. Kerstitch, *Sea of Cortez Marine Invertebrates. A Guide for the Pacific Coast, Mexico to Ecuador*. Sea Challengers Press, Monterey, CA. pp. i-iii.
55. *1989. Perry, D. M. and R. C. Brusca. Effects of the root-boring isopod *Sphaeroma peruvianum* on red mangrove forests. *Marine Ecology Progress Series* 57: 287-292.
56. 1989. Brusca, R. C. Science and natural history museums. I. What is science? *Upstairs. A Newsletter of the San Diego Natural History Museum Science Division* 2(4): 3-5.
57. 1989. Brusca, R. C. Provisional keys to the genera *Cirolana*, *Gnathia*, and *Limnoria* known from California waters. SCAMIT [Southern California Association of Marine Invertebrate Taxonomists] *Newsletter* 8(4): 17-21.
58. 1990. Brusca, R. C. Science and natural history museums. II. Science in the museum. *Upstairs. A Newsletter of the San Diego Natural History Museum Science Division* 3(1/2): 3-5.
59. *1990. Brusca, R. C. and G. J. Brusca. *Invertebrates*. Sinauer Associates, Sunderland, MA. 922 pp., 603 figs.

60. 1990. Brusca, R. C. Proceedings of the Second Symposium on the Biology of Terrestrial Isopods, *Monitore Zoologico Italiano* (n.s.), Monogr. 4: 1-512. *Journal of Crustacean Biology* 10(3): 568-570. [book review]
61. 1990. Brusca, R. C. Comment on the proposed designation of *Lysianax cubensis* Stebbing, 1897 as the type species of *Shoemakerella* Pirlot, 1936 (Crustacea, Amphipoda). *Bulletin of Zoological Nomenclature* 47(3): 213.
62. 1990. Brusca, R. C. and R. Wetzer. Tropical deforestation and coral reefs. *Field Notes, San Diego Natural History Museum* 3(4): 6-7.
63. 1991. Brusca, R. C. Guide to the Marine Isopod Crustaceans of the Caribbean, by B. Kensley and M. Schotte. *Quarterly Review of Biology* 66: 98-99. [book review]
64. *1991. Wetzer, R., H. G. Kuck, P. Baez, R. C. Brusca and L. M. Jurkevics. Catalog of the Isopod Crustacea type collection of the Natural History Museum of Los Angeles County. Los Angeles County Natural History Museum, Technical Report 3: 1-59.
65. *1991. Brusca, R. C. and H.-G. Müller. *Skuphonura kensleyi* n.sp. (Crustacea: Isopoda), a new anthuridean species from the Caribbean coast of Colombia. *Proc. Biol. Soc. Wash.* 104(3): 593-602.
66. *1991. Chavez, F. P. and R. C. Brusca. The Galapagos Islands and their relation to oceanographic processes in the tropical Pacific. Pp. 9-33 [Chapter 1] in, M. James (ed.), *Galapagos Marine Invertebrates*. Plenum Publ. Corp., Vol. 8 of "Topics in Geobiology."
67. *1991. Brusca, R. C. and G. D. F. Wilson. A phylogenetic analysis of the Isopoda (Crustacea) with some classificatory recommendations. *Memoirs of the Queensland Museum* 31: 143-204.
68. *1992. Brusca, R. C. and M. E. Hendrickx (eds.). ***Benthic Macro-Crustaceans of the Eastern Tropical Pacific*** [Proceedings of the First Colloquium on Benthic Macro-Crustaceans of the Eastern Tropical Pacific, Mazatlán, March 1990]. San Diego Natural History Museum and Universidad Nacional Autónoma de México. 134 pp. [Proceedings 9-27, San Diego Society of Natural History]
69. 1992. Brusca, R. C. Dedication to John S. Garth, pp. iii-iv in *Benthic Macro-Crustaceans of the Eastern Tropical Pacific* [Proceedings of the First Colloquium on Benthic Macro-Crustaceans of the Eastern Tropical Pacific, Mazatlán, March 1990]. San Diego Natural History Museum and Universidad Nacional Autónoma de México. 134 pp. [Proceedings 9-27, San Diego Society of Natural History]
70. *1992. Müller, H.-G. and R. C. Brusca. Validation and redescription of *Iais singaporensis* Menzies & Barnard, 1951 (Isopoda: Asellota: Janiridae), a commensal with *Sphaeroma triste* Heller, 1865 from a Malaysian coral reef. *Zoologischer Anzeiger* 229(1/2): 73-82.

71. *1992. Brusca, R. C. and S. France. The genus *Rocinela* (Crustacea: Isopoda: Aegidae) in the tropical eastern Pacific. *Zoological Journal of the Linnean Society* (London) 106: 231-275.
72. 1992. Simovich, M. A., J. L. King and R. C. Brusca. The branchiopod community. Vol. 2 *in* Simovich, M.A. *et al.*, Invertebrate Survey, 1991-1993: PGT-PG&E California Pipeline Expansion Project. Report to Bechtel Corporation and Pacific Gas and Electric, San Francisco, CA
73. 1993. Simovich, M. A., R. C. Brusca and J. L. King. Crustacean and insect communities. Vol. 3 *in* Simovich, M.A. *et al.*, Invertebrate Survey, 1991-1993: PGT-PG&E California Pipeline Expansion Project. Report to Bechtel Corporation and Pacific Gas and Electric, San Francisco, CA
74. *1993. Brusca, R. C. The Arizona/Sea of Cortez years of J. Laurens Barnard. *Journal of Natural History* 27(4): 727-730.
75. 1993. Cadien, D. and R. C. Brusca. Anthuridean isopods (Crustacea) of California and the temperate northeast Pacific. SCAMIT [Southern California Association of Marine Invertebrate Taxonomists] Newsletter 12(6): 1-26.
76. 1993. King, J. L., R. C. Brusca and M. A. Simovich. Crustacean communities of northern California vernal pools. *American Zoologist* 33(5): 79(A). [abstract]
77. *1995. Brusca, R. C., R. Wetzer, and S. France. Cirolanidae (Crustacea; Isopoda; Flabellifera) of the tropical eastern Pacific. *Proceedings San Diego Natural History Society*, No. 30, 96 pp.
78. *1996. King, J. L., M. A. Simovich, and R. C. Brusca. Endemism, species richness, and ecology of crustacean assemblages in northern California vernal pools. *Hydrobiologia* 328: 85-116. [~250 citations in the professional literature]
79. *1996. Brusca, R. C. and G. J. Brusca. ***Invertebrati (Italian edition)***. Zanichelli, Bologna, Italy. 1,008 pp. [Italian translation of B/B *Invertebrates*, Sinauer, 1990.]
80. *1997. Wetzer, R., R. C. Brusca and G. D. F. Wilson. The Order Isopoda. Introduction to the Marine Isopoda. Pp. 1-8 *in* J. A. Blake and P. H. Scott (eds.), *Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and Western Santa Barbara Channel. Vol. 11. The Crustacea, Part 2: Isopoda, Cumacea and Tanaidacea*. Santa Barbara Museum of Natural History, Santa Barbara, CA.
81. *1997. Wetzer, R. and R. C. Brusca. The Order Isopoda. Descriptions of the Species of the Suborders Anthuridea, Epicaridea, Flabellifera, Gnathiidea and Valvifera. Pp. 9-58 *in* J. A. Blake and P. H. Scott (eds.), *Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and Western Santa Barbara Channel. Vol. 11. The Crustacea, Part 2:*

Isopoda, Cumacea and Tanaidacea. Santa Barbara Museum of Natural History, Santa Barbara, CA.

82. *1997. Brusca, G. J., R. C. Brusca and S. F. Gilbert. Characteristics of Metazoan Development. Pp. 3-19 (Chapter 1) in S. F. Gilbert and A. M. Raunio (eds.), *Embryology: Constructing the Organism*. Sinauer Associates, Sunderland, MA.
83. 1997. Brusca, R. C. Isopoda. Version 06 August 1997. <http://tolweb.org/Isopoda/6320/1997.08.06>, in The Tree of Life Web Project, <http://tolweb.org/>
84. 1998. Brusca, R. C. Microscopic Anatomy of Invertebrates, Vols. 13 and 15, by R. Harrison (ed.). *Bulletin of Marine Science* 62(1): 297-298. [book review]
85. *2000. Brusca, R. C. Unraveling the History of Arthropod Biodiversification. In, *Our Unknown Planet: Recent Discoveries and the Future*. *Ann. Missouri Botanical Garden* 87:13-25. [Abridged version also published in *Kansas Biology Teacher* 9(2): 54-57]
86. *2001. Kensley, B. and R. C. Brusca (eds.). *Isopod Systematics and Evolution*. *Crustacean Issues* 13, A. A. Balkema, Rotterdam. 365pp.
87. *2001. Riseman, S., A. M. Pires and R. C. Brusca. A new species of *Politolana* (Crustacea: Isopoda: Cirolanidae) from the south Brazilian shelf. Pp. 51-61 in, B. Kensley and R. C. Brusca (eds.), *Isopod Systematics and Evolution*. *Crustacean Issues* 13, Balkema, Rotterdam.
88. 2001. Brusca, R. C., V. Coelho and S. Taiti. A Guide to the Coastal Isopods of California. http://www.tolweb.org/notes/?note_id=3004
89. 2001. Brusca, R. C., J. Campoy Fabela, C. Castillo Sánchez, R. Cudney-Bueno, L. T. Findley, J. Garcia-Hernández, E. Glenn, I. Granillo, M. E. Hendrickx, J. Murrieta, C. Nagel, M. Román, P. Turk-Boyer. A Case Study of Two Mexican Biosphere Reserves. The Upper Gulf of California/Colorado River Delta and Pinacate/Gran Desierto de Altar Biosphere Reserves. 2000 UNESCO Conference on Biodiversity and Society, Columbia University Earthscape.
90. 2001. Brusca, R. C. Origin of the Hexapoda. *Annales de la Société entomologique de France*, 37(1/2): 1-304. T. Deuve, Editor. *Journal of Crustacean Biology* 21(4): 1084-1086. [Book Review]
91. *2002. Riseman, S. and R. C. Brusca. A monograph on the isopod genus *Politolana* (Crustacea: Isopoda: Cirolanidae). *Zoological Journal, Linnean Society of London* 134: 57-140.
92. 2002. Brusca, R. C. A Sapphire Sea in the Sonoran Desert. *Arizona-Sonora Desert Museum News*, 3(3): 2-4.

93. *2002. Hendrickx, M. E., R. C. Brusca and G. Ramirez Resendiz. Biodiversity of Macrocrustaceans in the Gulf of California, Mexico. Pp. 349-367, in M.E. Hendrickx (ed.), Contributions to the Study of East Pacific Crustaceans [*Contribuciones al Estudio de los Crustaceos del Pacifico Este*], Volume 1. Instituto de Ciencias del Mar y Limnología, UNAM, Mexico.
94. 2002. Brusca, R. C. On the Vermilion Sea. The Sea of Cortez. Pp. 2-9, *Sonorensis*, Winter 2002. Arizona-Sonora Desert Museum, Tucson, AZ.
95. 2002. Brusca, R. C. Biodiversity in the Northern Gulf of California. (Biodiversidad en el Golfo de California Norte). *CEDO News* 10(1): 1-45.
96. 2002. Brusca, R. C. and G. P. Nabhan. Migratory Pollinators and Their Nectar Corridors in the Southwestern U.S. and Northwestern Mexico. Final Report to the Turner Foundation (Atlanta, GA) and Turner Endangered Species fund (Bozeman, MT). 126 pp.
97. 2002. Dimmitt, M. and R. C. Brusca. Endangered species and the Arizona-Sonora Desert Museum. *Endangered Species Bulletin* 27(2): 8-11.
98. *2002. Hendrickx M. E. and R. C. Brusca. Biodiversidad de los invertebrados marinos de Sinaloa. Pp. 141-163 in, J. L. Cifuentes Lemus and J. Gaxiola López (eds.), *Atlas de Sinaloa*. Colegio de Ciencias de Sinaloa, Mexico. 442 pp.
99. *2003. Brusca, R. C. and G. J. Brusca. ***Invertebrates. 2nd edition.*** Sinauer Associates, Sunderland, MA. 936 pp.
100. 2003. Brusca, R. C. *Desert Ecology: An Introduction to Life in the Arid Southwest*, John Sowell. Univ. Utah Press. *Natural Resources Journal*, University of New Mexico School of Law, Albuquerque, pp. 685-687. [Book Review]
101. *2003. Moore, W. and R. C. Brusca. A monograph on the isopod genus *Colopisthus* (Crustacea: Isopoda: Cirolanidae) with the description of a new genus. *Journal of Natural History* (London) 37: 1329-1399.
102. 2003. Brusca, R. C. and R. J. Edison. Introduction. Pp. 1-3 in S. Phillips (ed.), The Santa Cruz River. *Sonorensis*, Winter 2003. Arizona-Sonora Desert Museum, Tucson, AZ.
103. 2004. Brusca, R. C., E. Kimrey and W. Moore (eds.). ***Seashore Guide to the Northern Gulf of California.*** Arizona-Sonora Desert Museum Press, Tucson, AZ. 203 pp. [Available at Amazon.com or www.desertmuseum.org/books/]
104. 2004. Brusca, R. C. The Gulf of California – an Overview. Pp. 1-8, in R. C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California.* Arizona-Sonora Desert Museum, Tucson, AZ.

105. 2004. Brusca, R. C. A History of Discovery in the Northern Gulf of California. Pp. 9-24, in R. C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ. [Updated version available at http://rickbrusca.com/http___www.rickbrusca.com_index.html/Papers_files/History%20of%20Discovery%20in%20Gulf_1.pdf]
106. 2004. Brusca, R. C. A Brief History of Sonora. Pp. 25-34, in R. C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ. [Updated version available at http://rickbrusca.com/http___www.rickbrusca.com_index.html/Papers_files/History%20of%20Sonora_1.pdf]
107. 2004. Brusca, R. C., E. Kimrey and W. Moore. Invertebrates [of the Northern Gulf of California]. Pp. 35-107, in R. C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ.
108. 2004. Brusca, R. C. Fishes [of the Northern Gulf of California]. Pp. 109-115, in R. C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ.
109. 2004. Brusca, R. C., E. Mellink and E. Kimrey. Coastal Birds [of the Northern Gulf of California]. Pp. 117-126, in R. C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ.
110. 2004. Brusca, R. C., L. T. Findley and E. Kimrey. Marine Reptiles [of the Northern Gulf of California]. Pp. 127-128, in R. C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ.
111. 2004. Brusca, R. C., L. T. Findley and E. Kimrey. Marine Mammals [of the Northern Gulf of California]. Pp. 129-132, in R. C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ.
112. 2004. Woo, H., E. Glenn, R. C. Brusca and R. McCourt. Algae [of the Northern Gulf of California]. Pp. 133-145, in R. C. Brusca, E. Kimrey and W. Moore. *Seashore Guide to the Northern Gulf of California*. Arizona-Sonora Desert Museum, Tucson, AZ.
113. 2004. Nabhan, G. P. and R. C. Brusca. Sustainable Seafood and the Fate of the Oceans. A Primer for Arizonans. Arizona-Sonora Desert Museum.
114. 2004. Brusca, R. C. and M. Hendrickx. Invertebrate Biodiversity in the Gulf of California. Proceedings of the Gulf of California Conference 2004. Arizona-Sonora Desert Museum, Tucson, AZ. [published summary]
115. 2004. Felger, R. C., W. J. Nicols, A. Aguirre, H. Aridijis, L. Bourillón, R. C. Brusca, J. Campoy, A. Cantu, J.-L. Cartron, G. D. Danemann, H. D'Antoni, P. K. Dayton, S. A. Diehn, L. Gerber, J. L. León de la Luz, C. Martínez del Rio, R. A. Medellín, E. P. Castro

- and E. Sala. Escalera Ecológica Initiative: A staircase of reserves through the Gulf of California Corridor. Proceedings of the Gulf of California Conference 2004, pp. 71-72. Arizona-Sonora Desert Museum, Tucson, AZ. [published summary]
116. *2004. Nabhan, G. P., R. C. Brusca and L. Holter (eds.). *Conserving Migratory Pollinators and Nectar Corridors in Western North America*. Arizona-Sonora Desert Museum Studies in Natural History. University of Arizona Press & Arizona-Sonora Desert Museum, Tucson, AZ. 190 pp.
117. 2004. Brusca, R. C. Foreword, pp. 6-7 in, N. Chambers, Y. Gray and S. Buchmann, *Pollinators of the Sonoran Desert*. Arizona-Sonora Desert Museum 166 pp. [bilingual]
118. *2004. Brusca, R. C. and G. C. Bryner. A Case Study of Two Mexican Biosphere Reserves: The Upper Gulf of California/Colorado River Delta and Pinacate/Gran Desierto de Altar Biosphere Reserves. Pp. 21-52 in N. E. Harrison and G. C. Bryner (eds.), *Science and Politics in the International Environment*. Rowman and Littlefield, New York.
119. 2004. Dimmitt, M. A, R. C. Brusca and R. Edison. Introduction. Climate Change. Pp. 1-3, *Sonorensis*, Winter 2004. Arizona-Sonora Desert Museum, Tucson, AZ.
120. 2004. Nagler, P., E. Glenn and R. C. Brusca. *Photographic Atlas of Esteros and Other Coastal Wetlands of Conservation Interest in the Northern Gulf of California*. 147 pp. Published by the Arizona-Sonora Desert Museum as a working atlas for wetlands researchers in the Gulf of California.
121. *2005. Brusca, R. C. and G. J. Brusca. *Invertebrados (Spanish edition)*. McGraw-Hill/Interamericana de España, S.A.U., Madrid. 1005 pp. [<http://www.mcgraw-hill.es/html/8448602463.html>]
122. 2005. Brusca, R. C. and C. Conte. Invaders of the Sonoran Desert. Arizona-Sonora Desert Museum News 6(3): 2-4.
123. *2005. McLaughlin, P. A., D. K. Camp, M. V. Angel, E. L. Bousfield, P. Brunel, R. C. Brusca, D. Cadien, A. C. Cohen, K. Conlan, L. G. Eldredge, D. L. Felder, J. W. Goy, T. Haney, B. Hann, R. W. Heard, E. A. Hendrycks, H. H. Hobbs III, J. R. Holsinger, B. Kensley, D. R. Laubitz, S. E. LeCroy, R. Lemaitre, R. F. Maddocks, J. W. Martin, P. Mikkelsen, E. Nelson, W. A. Newman, R. M. Overstreet, W. J. Poly, W. W. Price, J. W. Reid, A. Robertson, D. C. Rogers, A. Ross, M. Schotte, F. R. Schram, C.-T. Shih, L. Watling, G. D. F. Wilson and D. D. Turgeon. Common and scientific names of aquatic invertebrates from the United States and Canada: Crustaceans. American Fisheries Society, Special Publication 31. Bethesda, MD. 533 pp.
124. *2005. Brusca, R. C., L. T. Findley, P. A. Hastings, M. E. Hendrickx, J. Torre Cosio and A. M. van der Heiden. Macrofaunal Biodiversity in the Gulf of California. Pp. 179-203 in J.-L. E. Cartron, G. Ceballos, and R. Felger (eds.), *Biodiversity, Ecosystems, and Conservation in Northern Mexico*. Oxford University Press, NY.

125. *2005. Whitmore, R. C., R. C. Brusca, J. L. León de la Luz, P. González-Zamorano, R. Mendoza-Salgado, E. S. Amador-Silva, G. Holguin, F. Galván-Magaña, P. A. Hastings, J.-L. E. Cartron, R. S. Felger, J. A. Seminoff, and C. C. McIvor. The ecological importance of mangroves in Baja California Sur: Conservation implications for an endangered ecosystem. Pp. 298-333 in J.-L. E. Cartron, G. Ceballos, and R. S. Felger (eds.), *Biodiversity, Ecosystems and Conservation in Northern Mexico*. Oxford University Press, New York.
126. 2005. Hendrickx, M. E., R. C. Brusca, and L. T. Findley (eds.). *A Distributional Checklist of the Macrofauna of the Gulf of California, Mexico. Part I. Invertebrates. [Listado y Distribución de la Macrofauna del Golfo de California, México, Parte I. Invertebrados]*. Arizona-Sonora Desert Museum and Conservation International. 429 pp. [available from the Arizona-Sonora Desert Museum Press or from the authors].
127. 2005. Brusca, R. C. Where the Desert Meets the Sea. Pp. 20-24 in C. Conte (ed.), *Conservation Without Borders. Sonorensis*, Winter 2005. Arizona-Sonora Desert Museum, Tucson, AZ.
128. *2006. Glenn, E. P., P. L. Nagler, R. C. Brusca and O. Hinojosa-Huerta. Coastal wetlands of the northern Gulf of California: Inventory and conservation status. *Aquatic Conservation: Marine and Freshwater Ecosystems* 16: 5-28.
129. 2006. Brusca, R. C., R. Cudney-Bueno, M. Moreno-Báez. Gulf of California esteros and estuaries: analysis, state of knowledge and conservation priority recommendations. Final Report to the David and Lucile Packard Foundation by the Arizona-Sonora Desert Museum. 60 pp., plus two appendices (esteros/estuaries database and Northern Gulf of California Atlas). [available from the Packard Foundation or from the authors]
130. 2006. Brusca, R. C. and C. Conte. Rivers in the Sand. *Arizona-Sonora Riparian Habitats. Arizona-Sonora Desert Museum News* 7(2): 2-5.
131. 2006. Brusca, R. C. Introduction. Pp. 1-3 in C. Conte (ed.), *Conservation Without Borders. Sonorensis*, Winter 2006. Arizona-Sonora Desert Museum, Tucson, AZ.
132. *2007. Brusca, R. C. Invertebrate Biodiversity in the Northern Gulf of California. Pp. 418- 504, in, R. S. Felger and W. Broyles (eds.), *Dry Borders. Great Natural Reserves of the Sonoran Desert*. University of Utah Press, Salt Lake City.
133. 2007. Brusca, R. C. Peracarida. Pp. 140-144 in, McGraw-Hill *Encyclopedia of Science and Technology*. McGraw-Hill, New York.
134. 2007. Brusca, R. C. Animal Phylogeny. In, McGraw-Hill *Encyclopedia of Science and Technology*. McGraw-Hill, New York.

135. *2007. Lluch-Cota, S. E., E. A. Aragón-Noriega, F. Arreguín-Sánchez, D. Auriolles-Gamboa, J. J. Bautista-Romero, R. C. Brusca, R. Cervantes-Duarte, R. Cortés-Altamirano, P. Del-Monte-Luna, A. Esquivel-Herrera, -Cervantes, M. Kahru, M. Lavín, D. Lluch-Belda, D. B Lluch-Cota, J. López-Martínez, S. G. Marinone, M. O. Nevárez-Martínez, S. Ortega-García, E. Palacios-Castro, A. Parés-Sierra, G. Ponce-Díaz, M. Ramírez-Rodríguez, C. A. Salinas-Zavala, R. A. Schwartzlose and A. P. Sierra-Beltrán. The Gulf of California: Review of Ecosystem Status and Sustainability Challenges. *Progress in Oceanography* 73: 1-26. [~500 citations in the professional literature]
- 136 *2007. Brusca, R. C., V. Coelho and S. Taiti. Isopods. Pp. 503-542 in, J. Carlton (ed.). *The Light and Smith Manual: The Intertidal Invertebrates of Central California and Oregon*. 4th Ed., J. Carlton (ed.). University of California Press, Berkeley.
137. 2007. Equihua Z., Clementina and R. C. Brusca. El Discreto Encanto de las Cochinillas. *¿Como Ves?*, Universidad Nacional Autónoma de México 9(107): 30-33.
138. *2007. Hendrickx, M. E., R. C. Brusca, M. Cordero and G. Ramírez R. Marine and brackish-water molluscan biodiversity in the Gulf of California, Mexico. *Scientia Marina* 71(4): 637-647.
139. 2007. Brusca, R. C. Father Eusebio Kino, the Baja California Peninsula, and the Sea of Cortez. Pp. 6-13 in, C. Conte (ed.), *The Legacy of Father Kino, Sonorensis*, Winter 2007, Arizona-Sonora Desert Museum.
140. 2007. Brusca, R. C. Harvesting the Sea of Cortez. From Kino's Era to Modern Times. Pp. 42-47 in, C. Conte (ed.), *The Legacy of Father Kino, Sonorensis*, Winter 2007, Arizona-Sonora Desert Museum).
141. *2007. Brusca, R. C. and G. J. Brusca. *Invertebrados, Segunda Edição* (Portuguese edition). Editora Guanabara Koogan, Rio de Janeiro, Brazil.
142. *2007. Hendrickx, M. E. and R. C. Brusca. Distribución de invertebrados marinos endémicos en el Golfo de California, México. XII Congresso Latino-Americano de Ciências do Mar (COLACMAR), Florianópolis, 15 a 19 de Abril de 2007. *Memorias AOCEANO – Associação Brasileira de Oceanografia*, 4 pp.
143. 2008-present. Brusca, R. C. and M. Hendrickx. The Gulf of California Invertebrate Database: The Invertebrate Portion of the *Macrofauna Golfo* Database. [updated weekly] www.desertmuseum.org/center/seaofcortez/database.php
144. *2009. Brusca, R. C. and I. S. Wehrtmann. Isopods. Pp. 257-267 + species lists No. 20.1 and 20.2 (pages 206-211 on CD-ROM), in I. S. Wehrtmann and J. Cortés (eds.), *Marine Biodiversity of Costa Rica, Central America*. *Monographiae Biologicae*, Vol. 86, Springer, Amsterdam.

145. 2009. Brusca, R. C. Land of Black Volcanoes and White Sands. The Pinacate and Gran Desierto de Altar Biosphere Reserve. L. G. Marshall and C. Blake. *Vermilion Flycatcher* 54(4): 27. [book review]
146. 2009. Brusca, R. C. Seafood and the Sea of Cortez. An Ecological Bouillabaisse. Pp. 20-29 in, C. Conte (ed.), *Desert Bounty. Sonorensis*, Winter 2009, Arizona-Sonora Desert Museum.
147. *2010. Brusca, R. C. Introduction. Pp. 1-5 in, R. C. Brusca (ed.), *The Gulf of California: Biodiversity and Conservation*. ASDM Studies in Natural History. Arizona-Sonora Desert Museum Press & University of Arizona Press.
148. *2010. Brusca, R. C and M. E. Hendrickx. Invertebrate Biodiversity and Conservation in the Gulf of California. Pp. 72-95 in, R. C. Brusca (ed.), *The Gulf of California: Biodiversity and Conservation*. ASDM Studies in Natural History. Arizona-Sonora Desert Museum Press & University of Arizona Press.
149. *2010. Brusca, R. C. (ed.). ***The Gulf of California: Biodiversity and Conservation***. ASDM Studies in Natural History. Arizona-Sonora Desert Museum Press & University of Arizona Press. 336 pp. [Available in paper or eBook]
150. 2010. Brusca, R. C. Introduction. Pp. 9-11 in, Brusca, R. C., M. A. Dimmitt and G. M. Montgomery (eds.). *Desert Gardens. A Photographic Tour of the Arizona-Sonora Desert Museum*. Cool Springs Press, Brentwood, TN. 177 pp.
151. 2010. Brusca, R. C., M. A. Dimmitt and G. M. Montgomery (eds.). ***Desert Gardens. A Photographic Tour of the Arizona-Sonora Desert Museum***. Cool Springs Press, Brentwood, TN. 177 pp.
152. 2010. Brusca, R. C. World Book Encyclopedia, on-line and print editions: “Vertebrates” and “Invertebrates.”
153. 2010. Dimmitt, M. A. and R. C. Brusca. Plants and insects: A 400 million year co-evolutionary dance. Pp. 8-11 in, C. Conte (ed.), *Our Sonoran Desert Insects. Sonorensis*, Winter 2010, Arizona-Sonora Desert Museum.
154. 2010. Brusca, R. C. Conservation Work at the Arizona-Sonora Desert Museum. Pp. 136-137 in, L. M. Brewer, *Vanishing Circles. Portraits of Disappearing Wildlife of the Sonoran Desert Region*. Arizona-Sonora Desert Museum Press, Tucson.
155. 2011. Brusca, R. C. Foreword. Pp. i-iii in F. Rose, *Mountain Wildflowers of Southern Arizona. A Field Guide to the Santa Catalina Mountains and Other Nearby Ranges*. Arizona-Sonora Desert Museum Press, Tucson.
156. 2011. Dimmitt, M. A., R. C. Brusca, K. Krebs, C. L. McIntyre, J. Viers, C. Filippone and A. Berry. 2011. Natural Resource Condition Assessment: Chiricahua National Monument,

- Coronado National Memorial, and Fort Bowie National Historic Site. Arizona-Sonora Desert Museum and Sonoran Institute, Tucson, Arizona. 425 pp.
157. 2011. Funicelli Campbell, C., J. Shrum and R. C. Brusca. Saguaro (*Carnegiea gigantea*) demography at the northeastern extreme of the species' range. Final Report to National Park Service, Arizona-Sonora Desert Museum/Tonto National Monument. 26 pp. plus numerous appendices.
 158. *2011. Brigham, L. A., R. C. Brusca and J. Betancourt. Cooperation across federal and local jurisdictions for invasive species management: Buffelgrass (*Pennisetum ciliare*) in Southern Arizona. Pp. 189-200 in, A. R. Leslie and R. G. Westerbrooks (eds.), *Invasive Plant Management Issues and Challenges in the United States*. Oxford University Press and American Chemical Society (ACS Symposium Series, Vol. 1073), doi: 10.1021/bk-2011-1073.
 159. 2012. Moore, W. and R. C. Brusca. A Brief Guide to the Santa Catalina Mountains Arizona: with a Road Log for the Mt. Lemmon Highway and an Introduction to the Madrean Sky Islands. Arizona-Sonora Desert Museum Press. Tucson, Arizona. 88 pp.
 160. 2012. Brusca, R. C. The Sonoran Desert's Spectacular Sea. Arizona-Sonora Desert Museum Newsletter 13(4): 5.
 161. 2012. Brusca, R. C. A Retrospective [on the Arizona-Sonora Desert Museum's history of conservation work]. *Sonorensis* 32(1):
 162. *2013. Moore, W., W. M. Meyer, J. A. Eble, K. Franklin, J. F. Wiens and R. C. Brusca. Introduction to the Arizona Sky Island Arthropod Project (ASAP): systematics, biogeography, ecology and population genetics of arthropods of the Madrean Sky Islands. Pp. 144-168 in, G. J. Gottfried, P. F. Ffolliott, B. S. Gebow, L. G. Eskew and L. C. Collins (Comps.), *Merging science and management in a rapidly changing world: biodiversity and management of the Madrean Archipelago III*; 2012 May 1-5, Tucson, AZ; Proceedings. RMRS-P-67. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. DOI: 10.13140/2.1.2051.5842
 163. *2013. Brusca, R. C. and W. Moore. *A Natural History of the Santa Catalina Mountains, Arizona, with an Introduction to the Madrean Sky Islands*. Arizona-Sonora Desert Museum Press. 232 pp. *Winner, 2013 Southwest Books of the Year – Best Read*.
 164. *2013. Brusca, R. C., J. F. Wiens, W. M. Meyer, J. Eble, K. Franklin, J. T. Overpeck, W. Moore. Dramatic Response to Climate Change in the Southwest: Robert Whittaker's 1963 Arizona Mountain Plant Transect Revisited. *Ecology & Evolution* 3(10): 3307-3319. doi: 10.1002/ece3.720
 165. 2013. Brusca, R. C. *The Natural History of Crustacea. Vol. 1. Functional Morphology & Diversity*. Oxford University Press, Oxford. *Journal of Crustacean Biology* 33(5): 742-743. [Book Review]

166. 2014. Brusca, R. C. Foreword in G. C. Jensen, *Crabs and Shrimps of the Pacific Coast. A Guide to Shallow-Water Decapods from Southeastern Alaska to the Mexican Border*. MolaMarine, Bremerton, WA.
167. 2014. Brusca, R. C., W. M. Meyer, J. T. Overpeck, K. Franklin, J. F. Wiens, J. Eble, W. Moore. Reply to C. David Bertelsen: Review of plant elevation changes in Arizona. *Phytoneuron* 2014-111: 1-4.
168. *2015. Joca, L. K., V. L. Leray, K. S. Zigler and R. C. Brusca. A new host and reproduction at a small size for the “snapper-choking isopod” *Cymothoa excisa* (Isopoda: Cymothoidae). *Journal of Crustacean Biology* 35(2): 292-294.
169. *2015. Ruggiero, M. A., D. P. Gordon, N. Bailly, T. Bourgoin, R. C. Brusca, T. C. Cavalier-Smith, M. D. Guiry, P. M. Kirk and T. M. Orrell. A higher-level classification of all living organisms. *PLoS ONE* 10(4): e0119248. doi:10.1371/journal.pone/0119248. 60 pp. [Top 10% of all PLoS ONE papers published in 2015; ~1,000 citations in the professional literature]
170. *2015. Meyer, W. M., J. Eble, K. Franklin, R. B. McManus, S. L. Breantley, J. Henkel, P. E. Marek, W. E. Hall, C. A. Olson, R. McInroy, E. M. Bernal Loaiza, R. C. Brusca and W. Moore. Ground-dwelling arthropod communities in the Santa Catalina Mountains, a Sky Island range in Southeastern Arizona, USA: Obtaining a baseline for assessing the effects of climate change. *PLoS ONE* 10 (9): e0135210. doi:10.1371/journal.pone.0135210
171. 2015. Brusca, R. C. Sea of Cortez. Pp. 24-26 in, M. A. Dimmitt, P. W. Comus and L. M. Brewer (eds.), *A Natural History of the Sonoran Desert 2nd ed.* University of California and Arizona-Sonora Desert Museum Press, Arizona.
172. 2015. Ingram, M. and R. C. Brusca. Desert Storms. Pp. 45-54 in, M. A. Dimmitt, P. W. Comus and L. M. Brewer, *A Natural History of the Sonoran Desert 2nd ed.* University of California and Arizona-Sonora Desert Museum Press, Arizona.
173. 2015. Van Devender, T. R. and R. C. Brusca. Deep History of the Sonoran Desert. Pp. 63-70 in, M. A. Dimmitt, P. W. Comus and L. M. Brewer, *A Natural History of the Sonoran Desert 2nd ed.* University of California and Arizona-Sonora Desert Museum Press, Arizona.
174. 2015. Scarborough, R. and R. C. Brusca. Geologic Origin of the Sonoran Desert. Pp. 71-84 in, M. A. Dimmitt, P. W. Comus and L. M. Brewer, *A Natural History of the Sonoran Desert 2nd ed.* University of California and Arizona-Sonora Desert Museum Press, Arizona.
175. *2016. Brusca, R. C., W. Moore and S. E. Shuster. *Invertebrates, 3rd ed.* Sinauer Associates, Sunderland, MA. [Available in paper or eBook; with over 4,500 citations in the professional literature]

176. *2016. Sagarin, R. D., J. Adams, C. A. Blanchette, R. C. Brusca, J. Chorover, J. E. Cole, F. Micheli, A. Munguia-Vega, C. M. Rochman, K. Bonine, J. van Haren and P. A. Troch. Between control and complexity: Opportunities and challenges for marine mesocosms. *Frontiers in Ecology and the Environment* 14(7): 389-396. doi: 10.1002/fee.1313.
177. 2016. Brusca, R. C. Foreword. Pp. iv-v in, H. Bertsch and L. E. Aguilar Rosas, *Marine Invertebrates of Northwest Mexico/Invertebrados Marinos del Noroeste de México*. Universidad Autónoma de Baja California, Ensenada, Mexico.
178. *2017. Brusca, R. C., S. Álvarez-Borrego, P. A. Hastings and L. T. Findley. Colorado River flow and biological productivity in the Northern Gulf of California, Mexico. *Earth-Science Reviews* 164: 1-30. doi: 10.1016/j.earscirev.2016.10.012. [published online 16 November 2016]
179. 2017. Brusca, R. C. *Structure and Evolution of Invertebrate Nervous Systems*. A. Schmidt-Rhaesa, S. Harzsch and G. Purschke (eds.). *Quarterly Review of Biology*. 92: 102-103. [book review]
180. *2017. Rogers, D. C. and 82 others. Images are not and should not ever be type specimens: A rebuttal to Garraffoni & Freitas. *Zootaxa* 4269(4): 455-459.
181. 2017. Brusca, R. C., R. Bauer, M. García-Guerrero and M. Wicksten. Michel E. Hendrickx, recipient of the 2016 *The Crustacean Society Excellence in Research Award*. *Journal of Crustacean Biology* 37(3): 363-364.
182. 2018. Brusca, R. C. The Collecting Success of Ed Ricketts and John Steinbeck on the 1940 Sea of Cortez Expedition. *Western Flyer Foundation Newsletter*, March 2018.
183. 2018. Brusca, R. C. Lax science can have negative impacts on conservation: A rebuttal to Lau and Jacobs (2017). *PeerJ Preprints*, May 2018, doi.org/a0.7287/peerj.preprints.26767v1. 7 pp.
184. 2018. Brusca, R. C. A reply to Jacobs and Lau (2108). *PeerJ, Comments*. 24 May 2018. 7 pp.
185. *2018. Morzaria-Luna, H. N., G. Cruz-Piñón, R. C. Brusca, A. M. López Ortiz, M. Moreno-Báez, H. Reyes-Bonilla and P. Turk-Boyer. Biodiversity hotspots are not congruent with conservation areas in the Gulf of California. *Biodiversity and Conservation*, 27(14): 3819-3842. doi.org/101007/s1053-018-1631-x [Published online 19 September 2018]
186. *2018. Brusca, R. C., W. Moore and S. E. Shuster (translated by Guanabara Koogan). *Invertebrados, 3ª edição*. Saraiva Academic Press, São Paulo. [Portuguese Edition]

187. *2019. Rojas-Bracho, L., R. C. Brusca, S. Álvarez-Borrego, R. L. Brownell, Jr., V. Camacho-Ibar, G. Ceballos, H. de la Cueva, J. García-Hernández, P. A. Hastings, G. Cárdenas-Hinojosa, A. M. Jaramillo Legorreta, R. Medellín, S. L. Mesnick, E. Nieto-García, J. Urbán, E. Velarde, O. Vidal, L. T. Findley, B. L. Taylor. Unsubstantiated scientific claims can lead to tragic conservation outcomes. *BioScience* 69(1): 12-14 (plus supplemental materials). doi: 10.1093/biosci/biy138
188. 2019. Rojas-Bracho, L., R. C. Brusca, S. Álvarez-Borrego, R. L. Brownell, Jr., V. Camacho-Ibar, G. Ceballos, H. de la Cueva, J. García-Hernández, P. A. Hastings, G. Cárdenas-Hinojosa, A. M. Jaramillo Legorreta, R. Medellín, S. L. Mesnick, E. Nieto-García, J. Urbán, E. Velarde, O. Vidal, L. T. Findley and B. L. Taylor. Reply to Flessa and colleagues. *Bioscience* 69(5): 322-323. doi: 10.1093/biosci/biz022.
189. 2019. Brusca, R. C. *In the Land of the Feathered Serpent*. A novel. Quetzalcoatl Press/KDP Publishing, Tucson, AZ. 473 pp. Copyright 20 March 2019. 2022 BIBA Award for Best Fiction. 2021 Finalist, Somerset Award for Literary Fiction. 2023 New York Big Book Awards, Distinguished Favorite, Literary Fiction. www.featheredserpent.online [Available in paperback or Kindle at Amazon.com and at selected bookstores]
190. 2019. Brusca, R. C. La Expedición de Ricketts y Steinbeck al Mar de Cortés. Pp. 33-36 in, R. B. Primack and O. Vidal, *Introducción a la Biología de la Conservación*. Ediciones Científicas Universitarias, Fondo de Cultura Económica, Mexico City.
191. *2020. Vidal, O. and R. C. Brusca. Mexico's biocultural diversity in peril. *Revista Biología Tropical* 68(2): 669-691.
192. 2020. Vidal, O. and R. C. Brusca. *La diversidad biocultural de México está amenazada/Mexico's biocultural diversity in peril*. *El Universal*, Opinión, 5 April 2020 (Mexico City).
193. 2020. Brusca, R. C. and O. Vidal. *Un nuevo santo, el Padre Kino: un mensaje personal para el Papa Francisco/A new saint, Padre Kino: A personal message for Pope Francis*. *El Universal*, Opinión, 18 July 2020 (Mexico City). <https://www.eluniversal.com.mx/english/new-saint-padre-kino-personal-message-pope-francis>
194. *2020. Brusca, R. C. (ed.). The 1940 Ricketts-Steinbeck Sea of Cortez Expedition: An 80-Year Retrospective. *Journal of the Southwest* 62(2): 215-514.
195. 2020. Brusca, R. C. Publishing the Southwest. *Journal of the Southwest* 62(2): 215-217.
196. *2020. Brusca, R. C. The 1940 Steinbeck-Ricketts Sea of Cortez expedition, with annotated lists of species and collection sites. *Journal of the Southwest* 62(2): 218-334.

197. *2020. Brusca, R. C. and T. L. Haskin. The making of a marine biologist: Ed Ricketts. *Journal of the Southwest* 62(2): 335-372.
197. 2020. Brusca, R. C. and O. Vidal. Un nuevo santo, el Padre Kino: Un mensaje personal para el Papa Francisco. *Boletín Eclesiástico. Órgano oficial de la Arquidiócesis de Guadalajara* (Guadalajara, Jalisco, México) 7 September 2020, 14 (9): 14-17. <https://arquidiocesisgdl.org/boletin/2020-9-4.php>
199. 2020. Vidal, O. and R. C. Brusca. *Los desafíos ambientales de López Obrador y Biden. El Universal*, Opinión, 7 April 2020 (Mexico City). English version: Environmentalists see blue skies ahead under new US administration (Mexico News Daily, 9 Nov. 2020) ENGLISH: <https://mexiconewsdaily.com/opinion/environmentalists-see-blue-skies-ahead/> SPANISH: <https://www.eluniversal.com.mx/opinion/omar-vidal/los-desafios-ambientales-de-lopez-obrador-y-biden>
200. 2020. Vidal, O. and R. C. Brusca. *Ciencia Asediada/Science Under Siege. El Universal*, Opinión, 24 October 2020 (Mexico City). <https://www.eluniversal.com.mx/opinion/omar-vidal/ciencia-asediada>
201. *2020. Mitchell, D. R., J. Mabry, N. Martínez Tagüeña, G. Huckleberry, R. C. Brusca and M. S. Shackley. Prehistoric adaptation, identity, and interaction along the northern Gulf of California. *California Archaeology* 12(2) 163-195.
202. 2021. Vidal, O. and R. C. Brusca. *El Legado Siniestro de Donald Trump. El Universal*, Opinión, 20 January 2021 (Mexico City).
203. 2021. Brusca, R. C. and O. Vidal. Dispelling myths about undocumented immigrants. *Arizona Daily Star*, 1 February 2021. <https://arizonadailystar-az-app.newsmemory.com/?publink=063039cba>
204. 2021. Vidal, O. and R. C. Brusca. *Todos somos migrantes. Todos venimos de algún lado. El Universal*, Opinión, 6 February 2021 (Mexico City) <https://www.eluniversal.com.mx/opinion/omar-vidal/todos-somos-migrantes-todos-venimos-de-algun-lado>. English version published in *Halting and Healing the Border Disorder*, 14 February 2020 <https://www.healingtheborderdisorder.org/2021/02/13/we-are-all-migrants-we-all-come-from-somewhere/>
205. *2021. Osland, M. J., P. W. Stevens, M. M. Lamont, R. C. Brusca, K. M. Hart, J. H. Waddle, C. A. Langtimm, C. M. Williams, B. D. Keim, A. J. Terando, E. A. Reyier, K. E. Marshall, M. E. Loik, R. E. Boucek, A. B. Lewis and J. Seminoff. Tropicalization of temperate ecosystems in North America: The northward range expansion of tropical organisms in response to warming winter temperatures. *Global Change Biology* 27(13): 3009-3034. <https://doi.org/10.1111/gcb.15563> ALSO: see Commentary by L. Walters and Giovanna McClenachan, *Global Change Biology* (doi:10.1111/GCB.15631) and Popular Science review at <https://www.popsci.com/story/environment/us-tropicalizing/>

206. 2021. Vidal, O. and R. C. Brusca. *Vecinos Distantes/Distant Neighbors*. *El Universal*, Opinión, 7 May 2021 (Mexico City). <https://www.eluniversal.com.mx/opinion/omar-vidal/vecinos-distantes>. English version published in *Mexico News Daily*: <https://mexiconewsdaily.com/opinion/amlo-biden-opposing-styles-national-agendas/>
207. 2021. Vidal, O. and R. C. Brusca. *Bienvenida, vicepresidenta Kamala Harris/Welcome to Mexico, Madam Vice President, Now Bear the Following in Mind*. *El Universal*, Opinión, 9 June 2021 (Mexico City). <https://www.eluniversal.com.mx/opinion/omar-vidal/bienvenida-vicepresidenta-kamala-harris>. English version published in *Mexico News Daily*, 6 June 2021: <https://mexiconewsdaily.com/opinion/welcome-to-mexico-kamala-harris/>
208. 2021. Vidal, O. and R. C. Brusca. *¿El regreso de los Tres Amigos?* *El Universal*, Opinión, 18 November 2021 (Mexico City). <https://www.eluniversal.com.mx/opinion/omar-vidal-y-richard-brusca/el-regreso-de-los-tres-amigos>. English version published as: Can AMLO, Biden and Trudeau get back to important trilateral business? *Mexico News Daily*, Opinión, 18 November 2021. <https://mexiconewsdaily.com/opinion/can-amlo-biden-and-trudeau-get-back-to-important-trilateral-business/>
209. *2022. Brusca, R. C. A modern overview of crustacean biogeography: *Evolution and Biogeography*. *Journal of Physiological and Biochemical Zoology* 95(2): 130-134, doi.org/10.1086/717939 [Review of G. C. B. Poore and M. Thiel (eds.), *Evolution and Biogeography. Vol. 8 in, The Natural History of Crustacea*. Oxford University Press]
210. 2022. Brusca, R. C. and O. Vidal. Here's how Arizona's plan to sate its thirst will harm the Gulf of California. *Mexico News Daily*, Opinión, 10 February 2022 (Mexico City) <https://mexiconewsdaily.com/opinion/arizona-desalination-gulf-of-california/>. Also "Desalinating Sea of Cortez is the wrong path," Arizona Daily Star, Opinión, 10 February 2022 https://tucson.com/opinion/local/local-opinion-desalinating-sea-of-cortez-is-the-wrong-path/article_140259a6-89d1-11ec-bcde-a788bf87578e.html. And, "Desalinizando al Mar de Cortés," *El Universal*, 9 February 2022, Opinión <https://www.eluniversal.com.mx/opinion/omar-vidal-y-richard-brusca/desalinizando-al-mar-de-cortes>.
211. *2022. Brusca, R. C., G. Giribet, W. Moore. *Invertebrates, 4th ed.* Sinauer Associates/Oxford University Press, NY. 1,077 pp. EBook and print versions. [~6,000 citations in the professional literature]
212. 2022. Brusca, R. C. The Water Buffalo in the Room. Editorial in Arizona Daily Star, 4 August 2022 (reprinted in Desert Corner Journal, the Tohono Chul Newsletter). Online version [here](#).
213. 2022. Flanagan, C. A. and R. C. Brusca. Donald A. Thomson. Un recuerdo. *Geomare Zoologica* 4(2): 57-66.

214. 2022. Brusca, R. C. and I. Williams. Howard L. Sanders. (1921-2001). National Academy of Sciences, Biographical Memoirs, 2022: 1-45.
215. 2023. Brusca, R. C. *The Time Travelers*. A novel. Quetzalcoatl Press/KDP Publishing, Tucson, AZ. 310 pp. 2024 IPPY Medal for Hispanic Fiction. New York City Book Awards, Distinguished Favorite (Visionary Fiction) & Distinguished Favorite (Cover Design). Arizona Daily Star: best 10 books by Southern Arizona authors, 2023. [Available in paperback or Kindle at Amazon.com, and at selected bookstores]
216. 2023. Flanagan, C. A. and R. C. Brusca. Donald A. Thomson (1932-2022): A remembrance. *Ichthyology & Herpetology* 111(2): 343-347.
217. 2023. Vidal, O., R. L. Brownell, Jr., J. Torre, R. C. Brusca. Última llamada para salvar a la vaquita. *El Universal*, editorial.
218. *2023. Brusca, R. C. and M. E. Hendrickx. Update on the Gulf of California Marine Macroinvertebrates Database. *Geomare Zoologica* 5(2): 57-62.
219. *2024. Brusca, R. C. A personal reflection on changes in marine science education over the past sixty years. *ICES Journal of Marine Science*, 2024: 1-13.
Doi.org/10.1093/icesjms/fsae013
220. *2024. Brusca, R. C. Coastal ecology of the northeastern Gulf of California and the Puerto Peñasco-Bahía Adair Region. Pp. 26-38 in, Mitchell, D. R., J. B. Mabry, G. Huckleberry, N. Martínez-Tegüeña (eds.), *Coastal Foragers of the Gran Desierto: Investigations of Prehistoric Shell Middens along the Northern Sonoran Coast*. Anthropological Papers of the University of Arizona, No. 83.
221. *2024. Mitchell, D. R., K. Rowell and R. C. Brusca. Archaeological evidence of marine resources used for subsistence in coastal northern Sonora, Mexico. Pp. 126-131 in, D. R. Mitchell, J. B. Mabry, G. Huckleberry, N. Martínez-Tegüeña (eds.), *Coastal Foragers of the Gran Desierto: Investigations of Prehistoric Shell Middens along the Northern Sonoran Coast*. Anthropological Papers of the University of Arizona, No. 83.
222. *2024. Mac Loughlin, C, T. Valdivia-Carrillo, F. Valenzuela-Quiñonez, H. Reyes-Bonilla, R. C. Brusca and A. Munguia-Vega. eDNA metabarcoding warms up a hotspot of marine biodiversity: Revealing underrepresented taxa in visual surveys and historical records from the Gulf of California. (With supplemental figures and tables) *Marine Biodiversity* 54:22.
doi.org/10.1007/s12526-024-01415-x
223. 2024. Brusca, R. C. UofA Failure of Leadership. Editorial in Arizona Daily Star, 2 March 2024.

SUBMITTED & IN PRESS

- *Brusca, R. C., W. Moore and G. Giribet. *Invertebrados, 4ª edição*. Saraiva Academic Press, São Paulo. [Portuguese Edition, in translation stage]
- *Vidal, O., R. L. Brownell, Jr., L. T. Findley, R. C. Brusca and J. Torre-Cosío. Vaquita, *Phocoena sinus* Norris and McFarland, 1958. *Handbook of Marine Mammals*, 2nd edition. In Press.

IN PREPARATION

- Vidal, O. and R. C. Brusca. *Nuestros 7 Pecados Ambientales/Our 7 Deadly Environmental Sins*.
- Brusca, R. C. *A Natural History of the Sea of Cortez*. Slogging along.

BILINGUAL CHILDREN'S BOOKS DEVELOPED & PRODUCED (ASDM Press)

- Hip Hip Hooray, It's Monsoon Day/Ajúa, ya llegó el chubasco*. Text by Roni Capin-Ashford; illustrations by Richard Johnsen. Awards: 2007 Best Southwestern Children's Books; 2008 AAAS Science Children's Book Highest Recommendation; 2008 Américas Award for Latin American and Caribbean Studies (University of Wisconsin), Commended Title. 2009 OneBookAZ Award (the Arizona State Libraries "one book that every child in Arizona should read in 2009").
- The Little Saguaro/El sahuarito*. Text by Shannon Young; illustrations by Kim Duffek. Independent Book Publisher's (IPPY) 2008 Medal for Multicultural Children's Book.
- Katie, of the Sonoran Desert*. Text by Kate Jackson; illustrations by Natalie Rowe. 2010 Independent Book Publisher's (IPPY) Silver Medal for Multicultural Children's Book; 2010 Moonbeam Gold Medal for Spanish Language Children's Books.
- Alice. A Story of Friendship/Alicia. La historia de una amistad*. Text by William Verbooten; illustrations by Priscilla Baldwin.
- Victor, el Zopilote Renuente*. Text by Jonathan Hanson; illustrations by Kim Kanoa Duffek. All-Spanish language text.

OTHER BOOKS DEVELOPED & PRODUCED (ASDM Press)

- Mountain Wildflowers of Southern Arizona. A Field Guide to the Santa Catalina Mountains and Other Nearby Ranges*. Text and photography by Frank Rose; book development and production by R. Brusca and L. Brewer. 2011.
- Mission San Xavier. A Story of Saints and Angels, Art and Artists*. Text and art by Edna San Miguel; book development and production by R. Brusca and L. Brewer. 2011.
- Vanishing Circles. Portraits of Disappearing Wildlife in the Sonoran Desert Region*. Text by L. Brewer & Foreword by Richard Leakey; book development and production by R. Brusca. 2010. IPPY Medal for Western Regional Non-Fiction Book.
- A Desert Illuminated. Cactus Flowers of the Sonoran Desert*. Photography by John P. Schaefer; book development and production by R. Brusca. 2010.
- Dining with the Desert Museum*. Book development and production by R. Brusca. Tabasco 2006 Regional Cookbook Award.

And numerous others.