

Robert E. Blankenship

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EDUCATION:

University of California, Berkeley – Ph.D. in Chemistry, 1975

Nebraska Wesleyan University, Lincoln, Nebraska – B.S. in Chemistry with distinction, 1970

PROFESSIONAL EXPERIENCE:

7/06–Present – Lucille P. Markey Distinguished Professor of Arts and Sciences, Departments of Biology and Chemistry, Washington University, St. Louis, MO

7/08–Present – Secondary Faculty Appointment, Department of Biochemistry and Molecular Biophysics, Washington University, St. Louis, MO

7/06–Present – Professor Emeritus of Chemistry and Biochemistry, Arizona State University

7/02–6/06 – Chair, Department of Chemistry and Biochemistry, Arizona State University

7/88–6/06 – Professor of Chemistry and Biochemistry, Arizona State University

7/85–6/88 – Associate Professor of Chemistry, Arizona State University, Tempe, AZ

7/79–6/85 – Assistant Professor of Chemistry, Amherst College, Amherst, MA

6/76–6/79 – Postdoctoral Fellow, Department of Biochemistry, University of Washington, Seattle, WA with Prof. William Parson

8/75–12/75 – Assistant Professor of Chemistry, American University of Beirut, Beirut, Lebanon

1/75–7/75 & 1/76–5/76 – Postdoctoral Fellow, Lawrence Berkeley Lab., Berkeley, CA, with Prof. Kenneth Sauer

6/70–12/74 – Graduate Student, Department of Chemistry, University of California, Berkeley, CA, Prof. Kenneth Sauer, Advisor

LEADERSHIP POSITIONS

Director, Photosynthetic Antenna Research Center (PARC), a DOE Energy Frontier Research Center, Washington University in St. Louis, 2009–2018

Chair, Department of Chemistry and Biochemistry, Arizona State University, 2002–2006

President, International Society for Photosynthesis Research, 2001–2004

Panel Manager, USDA Competitive Research Grants, Photosynthesis and Respiration Program, 1996

Director, Center for the Study of Early Events in Photosynthesis, Arizona State University, 1988–1991

Student Body President, Nebraska Wesleyan University, 1969–1970

INVITED LECTURES/CHAIRMANSHIPS (2006-2018)

- Invited Speaker, Carl Sagan Workshop, Caltech, Pasadena, CA, July 15-19, 2019.
- Session Chair and Discussion Leader, Gordon Research Conference on Photosynthesis. Newry, ME, July 21-26, 2019.
- Keynote Lecture, 16th International Symposium on Phototrophic Prokaryotes, Vancouver, BC, August 5-8, 2018.
- Plenary Lecture, Western US Photosynthesis Conference, Biosphere 2, Oracle, AZ, January 4-7, 2018.
- Session Chair and Discussion Leader, Gordon Research Conference on Photosynthesis. Newry, ME, July 16-21, 2017.
- Plenary Lecture, 13th International Conference on Tetrapyrrole Photoreceptors of Photosynthetic Organisms. Chicago, IL, July 9-13, 2017.
- Plenary Lecture, NASA Astrobiology Science Conference, Mesa, AZ, April 24-28, 2017.
- Invited Seminar, Department of Chemical and Physical Sciences, University of Toronto, Mississauga, Toronto, Canada, March 22, 2017.
- Invited Seminar, Department of Biology, Duquesne University, Pittsburgh, PA, February 3, 2017.
- Invited Seminar, Department of Microbiology, University of Chicago, Chicago, IL, November 3, 2016.
- Session Chair/Discussion Leader, 17th International Congress on Photosynthesis Research, Maastricht, The Netherlands, August 7-12, 2016.
- Keynote Lecture, International Photosynthetic Light-Harvesting Conference, Egmond aan Zee, The Netherlands, August 4-7, 2016.
- Invited Lecture, Gordon Research Conference on Tetrapyrroles, Newport, RI, July 17-22, 2016.
- Invited Speaker/Session Organizer, 38th Meeting of the American Society for Photobiology, Tampa, FL, May 21-26, 2016.
- Session Chair/Discussion Leader, 12th Workshop on Cyanobacteria, Tempe, AZ May 19-22, 2016.
- Invited Speaker, 11th Annual Harvard Plant Biology Symposium, Cambridge, MA, May 2-3, 2016.
- Invited Speaker, Pacifichem: The International Chemical Congress of Pacific Basin Societies, Honolulu, HI, December 15-20, 2015.
- Award Lecture, American Chemical Society Regional Meeting, St. Joseph, MO, October 22, 2015.
- Session Chair/Discussion Leader/Session Organizer, Astrobiology Science Conference, Chicago, IL, June 15-19, 2015.
- Invited Speaker, Workshop on Coherent Energy Transport and Optimization in Photosynthesis, Singapore, May 1-3, 2015.
- Invited Speaker, Agouron Institute Conference on The Sulfur Cycle, Rancho Palos Verdes, CA October 26-30, 2014.
- Keynote Lecture, Michigan State University Plant Research Laboratory Retreat, Kalamazoo, MI, October 19, 2014.
- Invited Seminar, Department of Chemistry, University of Missouri, Columbia, MO, October 3, 2014.

Session Chair/Discussion Leader, Gordon Research Conference on Photosynthesis, Mount Snow VT, August 10-15, 2014.

Invited Seminar, Department of Plant and Environmental Sciences, Hebrew University of Jerusalem, Jerusalem, Israel, June 2, 2014.

Schulich Lecture in Chemistry, Technion, Israel Institute of Technology, Haifa, Israel, May 27, 2014.

Invited Seminar, Graduate School of Bioagricultural Sciences, University of Nagoya, Nagoya, Japan, March 28, 2014.

Invited Speaker, 94th Spring Annual Meeting, Chemical Society of Japan, Nagoya, Japan, March 27-30, 2014.

Invited Speaker, 2nd International Symposium of Earth-Life Science Institute, Tokyo, Japan, March 24-26, 2014.

Arnon Lecture, University of California, Berkeley, CA, March 5, 2014.

Invited Seminar, Department of Chemistry, University of California, Davis, CA, February 18, 2014.

Invited Speaker, Workshop on Light-Harvesting Antennas, Toronto, Canada, January 25-26, 2014.

Invited Speaker, Workshop on Neutron Science, San Diego, CA, January 18-20, 2014.

Invited Speaker, Krasnovsky Memorial Symposium, Russian Academy of Sciences, Moscow, Russia, October 10-11, 2013

Invited Lecture, Bakh Institute of Biochemistry, Russian Academy of Sciences, Moscow, Russia, October 9, 2013.

Milkman Lecture, Marine Biology Laboratory, Woods Hole, MA, July 6, 2013.

Invited Lecturer, NASA Astrobiology Summer School, Santander, Spain, June 24-28, 2013.

Invited Speaker, Symposium on Redesigning Photosynthesis – Identifying Opportunities and Novel Ideas, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, May 13-16, 2013.

Plenary Lecture, Eastern US Photosynthesis Conference, Woods Hole, MA, April 12-14, 2013.

Invited Seminar, Department of Chemistry, Oberlin College, Oberlin, OH, April 10, 2013.

Invited Seminar, Danforth Plant Science Center, St. Louis, MO, March 27, 2013.

Invited Seminar, ASU SkySong Center, Arizona State University, Tempe, AZ, February 21, 2013.

Invited Seminar, Department of Chemistry and Biochemistry, Arizona State University, Tempe, AZ, February 21, 2013.

Invited Seminar, Department of Chemistry and Biochemistry, University of Texas, Austin, Austin, TX, February 1, 2013.

Invited Seminar, Department of Biology, University of South Bohemia, Budweis, Czech Republic, December 18, 2012.

Invited Speaker, Birthday Symposium for Rienk van Grondelle, Amsterdam, The Netherlands, December 6-7, 2012.

Invited Seminar, Department of Biology, Queen Mary University of London, London, UK, December 5, 2012.

Invited Speaker, Royal Society Meeting on Bioenergetics and the Major Evolutionary Transitions, Kavli Royal Society Centre, Chicheley Hall, Buckinghamshire, UK, November 14-15, 2012.

Invited Seminar, Department of Chemistry, University of Sheffield, Sheffield, UK, November 22, 2012.

Invited Speaker, European Solar Fuels Meeting, Glasgow, UK, October 29-31, 2012.

Invited Speaker, European Bioenergetics Conference, Freiberg, Germany, September 14-20, 2012.

Invited Speaker, International Society of Microbial Ecology Meeting, Copenhagen, Denmark, August 19-24, 2012.

Invited Symposium Speaker, Protein Society Meeting, San Diego, CA, August 5-6, 2012.

Invited Speaker, Gordon Research Conference on Tetrapyrroles, Newport, RI, July 22-27, 2012.

Invited Speaker, 36th Meeting of the American Society for Photobiology, Toronto, Canada, June 23-27, 2012.

Invited Seminar, Department of Chemistry, Nebraska Wesleyan University, Lincoln, NE, April 26, 2012.

Invited Speaker/Session Organizer, Astrobiology Science Conference, Atlanta, GA, April 16-20, 2012.

Invited Seminar, Department of Microbiology, Southern Illinois University, Carbondale, IL, April 13, 2012.

Invited Speaker, 56th Annual Biophysical Society Meeting, San Diego, CA, February 25-29, 2012.

Invited Speaker, Conference on Solar Fuels, Science, Engineering and Policy, University of North Carolina, Chapel Hill, NC, January 11-12, 2012.

Invited Speaker, NSF Workshop on Algae, Washington, DC, November 21, 2011.

Invited Seminar, Department of Biology, Missouri University of Science and Technology, Rolla, November 14, 2011.

Invited Seminar, Departments of Chemistry and Microbiology, University of British Columbia, Vancouver, BC, Canada, October 13, 2011.

Invited Speaker, American Society for Plant Biology Meeting, Minneapolis, MN, August 10, 2011.

Invited Speaker, International Conference on Photosynthetic Sustainability, Baku, Azerbaijan, July 27, 2011.

Invited Speaker, DOE Conference on Neutron Science, Washington, DC, May 10, 2011.

Invited Speaker, Light Harvesting Conference, Banz, Germany, April 12, 2011.

Invited Seminar, Department of Physics, City University of New York, New York, April 7, 2011.

Invited Seminar, University of Colorado Biophysics Program, March 16, 2011.

Invited Speaker, Biophysical Evening, Washington University in St. Louis, St. Louis, MO, February 8, 2011.

Invited Speaker, Argonne-Northwestern Solar Energy Research Center, Evanston, IL, January 6, 2011.

Invited Speaker, National Astrobiology Institute Workshop on Evolution, Online, November 9, 2010.

Invited Speaker, Workshop on Anaerobic Phototrophic Ecosystems, Ancient and Modern, sponsored by NASA Astrobiology Institute, the Agouron Institute, and the Canadian Institute for Advanced Research, Green Lake, NY, October 12, 2010.

Invited Speaker, Oak Ridge National Laboratory Workshop on Neutron Scattering, September 16, 2010.

Invited Symposium Speaker, 12th International Congress on Photosynthesis, Beijing, China, August 25, 2010.

Invited Symposium Speaker, International Society for Plant Biotechnology Meeting, St. Louis, MO, June 7, 2010.

Invited Lecturer, University of Southern California course on Advanced Microbial Physiology, April 12, 2010.

Invited Seminar, University of Pennsylvania, Department of Biology, April 22, 2010.

Invited Speaker, University of California, Los Angeles, Workshop on Dating Early Events in Earth History, March 18, 2010.

Invited Speaker, Symposium in Honor of Daniel Arnon, Asilomar, CA, January 8, 2010.

Keynote Speaker, Midwest Photosynthesis Conference, Turkey Run, IN, November 13, 2009.

Invited Speaker, Agouron Institute Nitrogen Meeting, Scottsdale, AZ, October 15, 2009.

Invited Seminar, Department of Biology, University of Missouri, St. Louis, October 6, 2009.

Invited Seminar, Department of Physics, Washington University in St. Louis, St. Louis, MO, September 14, 2009.

Invited Symposium Speaker, International Symposium on Phototrophic Prokaryotes, Montreal, CA, August 10, 2009.

Plenary Lecture, International Conference on Tetrapyrrole Photoreceptors of Photosynthetic Organisms, Asilomar, CA, July 27, 2009.

Invited Speaker, DOE Conference on Energy for the 21st Century, Santa Fe, NM, May 20, 2009.

Invited Seminar, Department of Chemistry, Kansas State University, Manhattan, KS, May 13, 2009.

Invited Speaker, Aspen Institute, April 4, 2009.

Invited Speaker, Symposium at Brown University in Honor of Sam Beale, March 27, 2009.

Invited Lecture, Light Harvesting Symposium, Banz, Germany, March 11, 2009.

Invited Lecture, National Association of Biology Teachers Annual Meeting, Memphis, TN, October 16, 2008.

Invited Seminar, School of Biological Sciences, University of Sydney, Sydney, Australia, August 8, 2008.

Invited Seminar, Research School of Biological Sciences, Australian National University, Canberra, Australia, August 6, 2008.

Session Chair and Discussion Leader, Gordon Research Conference on Photosynthesis, South Hadley, MA, June 23, 2008.

Invited Speaker, Gordon Research Conference on Iron-Sulfur Proteins, New London, NH, June 10, 2008.

Invited Speaker, DOE Meeting on Solar Photochemistry, Wintergreen Resort, VA, June 2, 2008.

Invited Seminar, Department of Biology, University of Rochester, Rochester, NY, April 16, 2008.

Ernest C. Pollard Lecture, Department of Molecular Biology and Biochemistry, Penn State University, University Park, PA, April 14, 2008.

Invited Speaker, Conference on Cyanobacteria in the Lunar Environment, NASA Ames, January 28, 2008.

Invited Seminar, Department of Chemistry, Illinois State University, Normal, IL, November 9, 2007.

Plenary Lecture, 14th International Congress on Photosynthesis, Glasgow, UK, July 27, 2007.

Invited Speaker, American Chemical Society Symposium on Solar Energy, St. Louis Science Center, May 29, 2007.

Invited Seminar, Thermal Biology Institute, Montana State University, Bozeman, MT, May 7, 2007

Invited Seminar, Department of Biochemistry, University of Illinois, Urbana-Champaign, Champaign, IL, April 13, 2007.

Invited Seminar, Department of Biological Sciences, Purdue University, West Lafayette, IN, April 6, 2007.

Invited Seminar, Department of Physics, Purdue University, West Lafayette, IN, April 5, 2007.

Invited Speaker, Department of Biochemistry and Biophysics Washington University in St. Louis, St. Louis, MO, April 3, 2007.

Invited Seminars, Departments of Biology and Chemistry, Lafayette College, Easton, PA, March 26, 2007.

Invited Speaker, Conference on Energy Transfer: from the Nanoscale to the Macroscale, sponsored by International Institute for Complex Adaptive Matter, Santa Fe, NM, March 12, 2007.

Invited Symposium Speaker, 15th International Nitrogen Fixation Congress, Cape Town, South Africa, January 25, 2007.

Invited Seminar, Department of Biological Sciences, University of Tennessee, Knoxville, TN, November 1, 2006.

Keynote Speaker, Midwest US Photosynthesis Conference, Turkey Run, IN, October 29, 2006.

Invited Symposium Speaker, International Symposium on Phototrophic Prokaryotes, Pau, France, August 30, 2006.

Session Chair, Discussion Leader and After Dinner Speaker, Gordon Research Conference on Photosynthesis, Smithfield, RI, July 3-7, 2006.

Invited Seminar, Department of Geosciences, CalTech, April 24, 2006.

Invited Speaker, Agouon Institute Oxygen Meeting, Santa Fe, NM, April 6, 2006.

Invited Speaker, Conference on Evolution of Aquatic Photoautotrophs, Rutgers University, January 11, 2006.

Invited Speaker, Western US Photosynthesis Conference, Asilomar, CA, January 8, 2006.

SERVICE TO PROFESSION:

Conferences Organized

Co-organizer, Midwest/Southeast Photosynthesis Conference, Turkey Run, IN, 2018

Co-organizer, Midwest/Southeast Photosynthesis Conference, Turkey Run, IN, 2017

Co-organizer, 16th International Congress on Photosynthesis Research, St. Louis, MO, 2013

Co-organizer, Conference on Photosynthetic Light Harvesting Systems, St. Louis, MO, 2013

Co-organizer, Workshop on Cyanobacteria, St. Louis, MO, 2013

Co-organizer, DOE Workshop on Efficiency of Photosynthesis, Albuquerque, NM, 2009

Co-organizer, Conference on Photosynthetic Antennas, Drymen, UK, 2007

Co-organizer, Midwest/Southeast Photosynthesis Conference, Turkey Run, IN, 2007

Co-organizer, Agouon Institute Conference on Oxygen, Santa Fe, NM, 2006
Co-organizer, Conference on Photosynthetic Antennas, Montreal, Canada, 2004
Co-organizer, Astrobiology Science Conference, Tempe, AZ, 2003
Co-organizer, US-Australia Joint Workshop on Artificial Photosynthesis, Sydney, Australia, 2003
Co-organizer, Western Regional Photosynthesis Conference, Asilomar, CA, 2003
Co-organizer, Conference on Photosynthetic Antennas, Queensland, Australia, 2001
Co-organizer, Sauer/Klein Reunion Symposium, Berkeley, CA, 1998
Organizer, US-Japan Symposium on Photosynthetic Antennas, Kona, Hawaii, 1997
Vice Chairman (1990) and Chairman (1991) of Gordon Research Conferences on Photosynthesis
Organizer, First Eastern U.S. Photosynthesis Conference, Woods Hole, MA, 1984

Books and Editorial Service

Section Editor, *Encyclopedia of Biological Chemistry, 3rd Ed.*, 2019–present
Associate Editor, *Photosynthesis Research*, 2018–present
Author, *Molecular Mechanisms of Photosynthesis 2nd Edition*, Wiley-Blackwell, Oxford, UK, 2014
Editorial Board, *Biochemistry*, 2001–present
Consulting Editor, *Advances in Photosynthesis and Respiration*, 2009–present
Associate Editor, *Frontiers in Microbial Physiology and Metabolism*, 2011–2017
Author, *Molecular Mechanisms of Photosynthesis*, Blackwell Science, Oxford, UK, 2002
Editor, with M. Madigan and C. Bauer, *Anoxygenic Photosynthetic Bacteria*, Kluwer Academic Publishing, Dordrecht, The Netherlands, 1995
Editorial Board, *International Journal of Astrobiology*, 2001–2011
Editorial Board, *Current Chemical Biology*, 2007–2011
Editorial Board, *Biophysical Journal*, 2000–2003
Editor-in-Chief, *Photosynthesis Research*, 1988–1999
Consulting Editor, *Advances in Photosynthesis*, 1991–1998
Editorial Board, *Photosynthesis Research*, 1985–1988

Grant Review Panels

Grant Review Panel Member, NASA Exobiology Program, 2016
Grant Review Panel Member, DOE Photosynthetic Systems and Physical Biosciences Programs, 2015
Grant Review Panel Member, DOE Energy Biosciences Program, 2008
Grant Review Panel Member, NSF Prokaryotic Molecular Biology Program, 2004–2008
Grant Review Panel Member, NSF Microbial Genome Sequencing Program, 2005
Panel Manager, USDA Competitive Research Grants, Photosynthesis and Respiration Program, 1996
Grant Review Panel Member, NASA Exobiology Program, 1994–1998
Grant Review Panel Member, NSF Molecular Biophysics Program, 1991–1994
Grant Review Panel Member, DOE Energy Biosciences Program, 1988
NIH Special Study Section Member, Sequencers, etc., 1987
Grant Review Panel Member, USDA Competitive Research Grants on Photosynthesis, 1985, 1986, 1989

Advisory Service

Scientific Advisory Board, DOE Energy Frontier Research Center for Bioinspired Light-Escalated Chemistry (BioLEC), Princeton University, 2018–present; Chair 2018–present

Scientific Advisory Board, DOE Energy Frontier Research Center for Biological Electron Transfer and Catalysis, Montana State University, 2014–present; Chair 2018–present

Scientific Advisory Board, Canadian Institute for Advanced Research program in Biology, Energy, Technology, 2014–2018; Chair 2014–2018

Committee of Visitors, Chemical Sciences, Geosciences, and Biosciences (CSGB) Division, DOE Basic Energy Sciences, Subpanel Lead on Photochemistry and Biochemistry, 2017

Associate Investigator, ARC Centre of Excellence for Translational Photosynthesis, Australian National University, Canberra, Australia, 2015–present

Site Review Team Member, U.S. Department of Energy Solar Photochemistry and Photosynthesis, Argonne National Laboratory, 2013

Council for Chemical and Biochemical Sciences, DOE Basic Energy Sciences, 2008–2015; Chair 2014–2015

Scientific Advisory Board, Centre for Low-Dimensional Chemistry, Univ. of Sheffield, UK, 2012–2015

External Program Review, Louisiana Board of Regents review of nanotechnology at Louisiana Tech University, 2003, 2012

Scientific Advisory Board, Ecosystems and Networks Integrated with Genes and Molecular Assemblies, (ENIGMA), Lawrence Berkeley Lab, 2010–2011

Proposal Review Panel, DOE Center for Integrated Nanotechnologies (CINT), Albuquerque, NM, 2008–2013

Scientific Advisory Board (Chair), Molecular Assemblies Genes, and Genomics Integrated Efficiently (MAGGIE), Lawrence Berkeley Lab, 2008–2009

Committee of Visitors, Chemical Sciences, Geosciences, and Biosciences (CSGB) Division, DOE Basic Energy Sciences, 2008

Scientific Advisory Board, Center for Photochemical Sciences, Bowling Green State University, 2001–2013

External Program Review, University of Washington, Astrobiology Program, 2005

International Scientific Committee for the Symposia on Phototrophic Prokaryotes, Executive Committee, 2000–2009

Director's Division Review Panel Member, Physical Biosciences Division, Lawrence Berkeley Laboratory, 2000

Swedish Natural Science Research Council Expert Committee in Biophysical Chemistry, 1992

Site Review Team Member, Ames Laboratory, Iowa State University, 1989, 1992

Site Review Team Member, Medical Free Electron Laser Program, Office of Naval Research, 1990

On-camera participant and technical consultant for film *Photosynthesis: Life Energy*, produced by the National Geographic Society, 1983

Society Service

President, International Society for Photosynthesis Research, 2001–2004

Executive Committee, International Society for Photosynthesis Research, 1995–2001

Local Arrangements Chairman, Biophysical Society Annual Meeting, Phoenix, AZ, 1988

AWARDS:

Midwest Award, American Chemical Society, 2015
Lifetime Achievement Award, Rebeiz Foundation for Basic Research, 2013
Paper of the Year, Rebeiz Foundation for Basic Research, 2013
Communications Award, International Society of Photosynthesis Research, 2013
Fellow, American Academy of Microbiology, 2012
Charles F. Kettering Award for Excellence in Photosynthesis, American Society of Plant Biologists, 2008
Beatrice NE Educational Foundation Hall of Fame, 2008
Fellow, American Association for the Advancement of Science, 2004
Founding Fellow, Arizona Arts, Sciences and Technology Academy, 2004
Graduate Mentoring Award, Arizona State University, 1998
Graduate College Distinguished Research Award, Arizona State University, 1992
Alumni Achievement Award, Nebraska Wesleyan University, 1991
Who's Who in the World
Who's Who in America
Who's Who in Science and Engineering
Who's Who in American Education
Who's Who Among America's Teachers
National Science Foundation National Needs Postdoctoral Fellowship, 1977

SOCIETIES:

International Society for Photosynthesis Research
American Association for the Advancement of Science
American Society for Microbiology
American Society of Plant Biologists
International Society for the Study of the Origin of Life
Union of Concerned Scientists

RESEARCH INTERESTS:

Excitation and electron transfer in photosynthetic systems
Origin and early evolution of photosynthesis and nitrogen fixation
Metalloenzymes involved in electron transfer and oxidative stress processes

UNIVERSITY SERVICE:**Washington University**

Biology Department Faculty Search Committee, Chair, 2018-2019
Chemistry Department Faculty Search Committee, 2016-2017
Review Committee, International Center For Advanced Renewable Energy & Sustainability (I-Cares), 2016
Research Working Group, 2015–present
Advisory Committee, Washington University Prison Education Project, 2014–2015
Division of Biology and Biomedical Sciences Quality Assessment Committee, 2014
Faculty Senate Council, 2013–2016
Faculty Senate Council Advisory Committee on Tenure & Academic Freedom, 2013–2016

Director, Photosynthetic Antenna Research Center (PARC), a DOE Energy Frontier Research Center, 2009–2018

Biology Department Faculty Search Committee, Chair, 2011–2012

Faculty Advisor, Washington University iGEM Team, 2009

College of Arts and Sciences Promotion and Tenure Committee, 2008–2011

I-CARES Faculty Search Committee, 2008–2011

Chemistry Department Faculty Search Committee, 2010–2011

Chemistry Graduate Studies Committee, 2006–2016

Chemistry Department Chair Search Liaison Committee, 2009

Committee on Education of Undergraduates in the Life Sciences, 2008–2010

Biology Department Chair Search Committee, 2008–2009

Biochemistry Faculty Search Committee, Co-Chair, 2007–2008

Biochemistry Program Revision Committee, Chair, 2006–2007

Division of Biological and Biomedical Sciences (DBBS) Graduate Admissions Committee, 2007–2008

Florence Moog Scholarship Selection Committee, 2006–2008

Bio-Energy Faculty Search Committee, 2006–2007

Arizona State University

Chair, Department of Chemistry and Biochemistry, 2002–2006

School of Life Sciences Director Search Committee, 2004–2005

Dean's Strategic Planning and Academic Resources Advisory Council, 2003–2006

Molecular and Cellular Biology Executive Committee, 1994–1996; 1999–2003

Life Science Reorganization Committee, 2002–2003

Goldwater Scholarship Selection Committee, 1999–2006

Interim Director, Cancer Research Institute, 2004

Director, Bio and Molecular Photonics Initiative, 1999–2002

Biomedical Strategic Planning Committee, 1998–2001

ASU Main Campus Strategic Planning Committee, 1998–1999

Chair, Research Investigation Committee, 1998–1999

Founding Director, ASU Center for the Study of Early Events in Photosynthesis, 1988–1991

CITATION STATISTICS

Google Scholar (February 2019)

	All	Since 2014
Citations:	28777	11451
h-index:	77	42
i10-index:	297	159

Web of Science (February 2019)

Results found:	434
Sum of the Times Cited:	17742
Sum of Times Cited without self-citations:	16162
Citing Articles:	10810
Citing Articles without self-citations:	10505
Average Citations per Item:	40.88
h-index:	63

PUBLICATIONS: (426 total)

1. Blankenship RE and Sauer K (1974) Manganese in photosynthetic oxygen evolution. Electron paramagnetic resonance study of the environment of Mn in tris-washed chloroplasts. *Biochimica et Biophysica Acta* **357**: 252-266. (R)s
2. Blankenship RE, Babcock GT and Sauer K (1975) Kinetic study of oxygen evolution parameters in tris-washed, reactivated chloroplasts. *Biochimica et Biophysica Acta* **387**: 165-175. (R)
3. Blankenship RE, Babcock GT, Warden JT and Sauer K (1975) Observation of a new EPR transient in chloroplasts that may reflect the electron donor to Photosystem II at room temperature. *FEBS Letters* **51**: 287-293. (R)
4. Blankenship RE, McGuire A and Sauer K (1975) Chemically induced dynamic electron polarization in chloroplasts at room temperature: evidence for triplet state participation in photosynthesis. *Proceedings of the National Academy of Sciences USA* **72**: 4943-4947. (R)
5. Warden JT, Blankenship RE and Sauer K (1976) A flash photolysis ESR study of Photosystem II signal II_{vf}, the physiological donor to P680⁺. *Biochimica et Biophysica Acta* **423**: 462-478. (R)
6. Babcock GT, Blankenship RE and Sauer K (1976) Reaction kinetics for positive charge accumulation on the water side of chloroplast Photosystem II. *FEBS Letters* **61**: 286-289. (R)

7. Smith GE, Blankenship RE and Klein MP (1977) Conversion of an E-3 ESR spectrometer to 1-MHz field modulation. *Rev. Sci. Instr.* **48**: 282-286. (R)
8. Blankenship RE, McGuire A and Sauer K (1977) Rise time of EPR signal $I_{\nu f}$ in chloroplast Photosystem II. *Biochimica et Biophysica Acta* **459**: 617-619. (R)
9. Blankenship RE, Schaafsma TJ and Parson WW (1977) Magnetic field effects on radical pair intermediates in bacterial photosynthesis. *Biochimica et Biophysica Acta* **461**: 297-305. (R)
10. Dismukes C, McGuire A, Blankenship RE and Sauer K (1978) Electron spin polarization in photosynthesis and the mechanism of the electron transfer in Photosystem I: Experimental observations. *Biophysical Journal* **21**: 239-256. Correction **21**: 521 (1978). (R)
11. Blankenship RE and Parson WW (1978) The photochemical electron transfer reactions of photosynthetic bacteria and plants. *Annual Review of Biochemistry* **47**: 635-653. (IR)
12. Parson WW, Schenck CC, Blankenship RE, Holten D, Windsor MW and Shank CV (1978) Kinetics of photochemical electron transfer reactions *in vivo* and *in vitro*. In: *Frontiers of Biological Energetics: Electrons to Tissues*. PL Dutton, JS Leigh, A Scarpa, Eds. Academic Press, **1**: 37-44. (CP)
13. Blankenship RE and Parson WW (1979) Kinetics and thermodynamics of electron transfer in bacterial reaction centers. In: *Topics in Photosynthesis: Photosynthesis in Relation to Model Systems*, J. Barber, ed. (Amsterdam: Elsevier) **3**: 71-114. (IR)
14. Blankenship RE and Parson WW (1979) The involvement of iron and ubiquinone in electron transfer reactions mediated by reaction centers from photosynthetic bacteria. *Biochimica et Biophysica Acta* **545**: 429-444. (R)
15. Blankenship RE (1981) Chemically induced magnetic polarization in photosynthetic systems. *Accounts of Chemical Research* **14**: 163-170. (R, IR)
16. Yocum CF, Yerkes CT, Blankenship RE, Sharp RR and Babcock GT (1981) Stoichiometry, inhibitor sensitivity and organization of manganese associated with photosynthetic oxygen evolution. *Proceedings of the National Academy of Sciences USA* **78**: 7507-7511. (R)
17. Bunker G, E. Stern EA, Blankenship RE and Parson WW (1982) An X-ray absorption study of the iron site in bacterial photosynthetic reaction centers. *Biophysical Journal* **37**: 539-551. (R)

18. Schenck CC, Blankenship RE and Parson WW (1982) Radical-pair decay kinetics, triplet yields and delayed fluorescence from bacterial reaction centers. *Biochimica et Biophysica Acta* **680**: 44-59. (R)
19. Betti JA, Blankenship RE, Natarajan LV, Dickinson LC and Fuller RC (1982) Antenna organization and evidence for the function of a new antenna pigment species in the green photosynthetic bacterium *Chloroflexus aurantiacus*. *Biochimica et Biophysica Acta* **680**: 194-201. (R)
20. Natarajan LV and Blankenship RE (1982) Linear dichroism of the 740 nm absorbing form of chlorophyll *a*. *Spectroscopy Letters* **15**: 527-532. (R)
21. Pocinki AG and Blankenship RE (1982) Kinetics of electron transfer in duroquinone-reconstituted reaction centers from photosynthetic bacteria. *FEBS Letters* **147**: 115-119. (R)
22. Bruce BD, Fuller RC and Blankenship RE (1982) Primary photochemistry in the facultatively aerobic green photosynthetic bacterium *Chloroflexus aurantiacus*. *Proceedings of the National Academy of Sciences USA* **79**: 6532-6536. (R)
23. Natarajan LV and Blankenship RE (1983) Free energy dependence of the quenching of chlorophyll *a* fluorescence by substituted quinones. *Photochemistry and Photobiology* **37**: 329-336. (R)
24. Natarajan LV, Robinson M and Blankenship RE (1983) Linear dichroism of cyanine dyes in stretched polyvinyl alcohol films: A Physical Chemistry Laboratory Experiment. *Journal of Chemical Education* **60**: 241-243. (R)
25. Natarajan LV, Stein FM, Blankenship RE and Chang R (1983) Linear dichroism and fluorescence polarization of diphenyl polyenes in stretched polyethylene films. *Chemical Physics Letters* **95**: 525-528. (R)
26. Hale MB, Blankenship RE and Fuller RC (1983) Menaquinone is the sole quinone in the facultatively aerobic green photosynthetic bacterium *Chloroflexus aurantiacus*. *Biochimica et Biophysica Acta* **723**: 376-382. (R)
27. Kirmaier C, Holten D, Feick R and Blankenship RE (1983) Picosecond measurements of the primary photochemical events in reaction centers isolated from the facultative green photosynthetic bacterium *Chloroflexus aurantiacus*; Comparison with the Purple Bacterium *Rhodospseudomonas sphaeroides*. *FEBS Letters* **158**: 73-78. (R)
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B = Book; BR = Book Review; CP = Conference Proceedings; IR = Invited Review; R = Refereed; MM = Multimedia