

# Glenn R Johnson

## List of Publications by Year in descending order

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46  
papers

2,600  
citations

186209

28  
h-index

223716

46  
g-index

62  
all docs

62  
docs citations

62  
times ranked

3690  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single pot biovalorization of food waste to ethanol by <i>Geobacillus</i> and <i>Thermoanaerobacter</i> spp.. <i>Renewable Energy</i> , 2020, 155, 1032-1041.	4.3	32
2	Simultaneous hydrolysis and fermentation of unprocessed food waste into ethanol using thermophilic anaerobic bacteria. <i>Bioresource Technology</i> , 2017, 244, 733-740.	4.8	30
3	Enzyme Stabilization via Bio-Templated Silicification Reactions. <i>Methods in Molecular Biology</i> , 2017, 1504, 61-73.	0.4	4
4	Microbial-enzymatic-hybrid biological fuel cell with optimized growth conditions for <i>Shewanella oneidensis</i> DSP-10. <i>Enzyme and Microbial Technology</i> , 2013, 53, 123-127.	1.6	6
5	Stabilized Laccases as Heterogeneous Bioelectrocatalysts. <i>ChemCatChem</i> , 2013, 5, 46-60.	1.8	43
6	Power generation from a hybrid biological fuel cell in seawater. <i>Bioresource Technology</i> , 2013, 128, 222-228.	4.8	28
7	<i>Shewanella frigidimarina</i> microbial fuel cells and the influence of divalent cations on current output. <i>Biosensors and Bioelectronics</i> , 2013, 40, 102-109.	5.3	22
8	Applied Electrode Potential Leads to <i>Shewanella oneidensis</i> MR-1 Biofilms Engaged in Direct Electron Transfer. <i>Journal of the Electrochemical Society</i> , 2013, 160, H866-H871.	1.3	13
9	Enzyme-Modified Buckypaper for Bioelectrocatalysis. <i>Journal of the Electrochemical Society</i> , 2013, 160, G3178-G3182.	1.3	42
10	Modification of Carbon Nanotube Electrodes with 1-Pyrenebutanoic Acid, Succinimidyl Ester for Enhanced Bioelectrocatalysis. <i>Methods in Molecular Biology</i> , 2013, 1051, 217-228.	0.4	6
11	Immobilization of Whole Cells by Chemical Vapor Deposition of Silica. <i>Methods in Molecular Biology</i> , 2013, 1051, 301-312.	0.4	3
12	Probing the molecular structure of antimicrobial peptide-mediated silica condensation using X-ray photoelectron spectroscopy. <i>Journal of Materials Chemistry</i> , 2012, 22, 9875.	6.7	48
13	A study of the flavin response by <i>Shewanella</i> cultures in carbon-limited environments. <i>RSC Advances</i> , 2012, 2, 10020.	1.7	18
14	Facile Fabrication of Scalable, Hierarchically Structured Polymer/Carbon Architectures for Bioelectrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 2082-2087.	4.0	57
15	Bacterial Sunscreen: Layer-by-Layer Deposition of UV-Absorbing Polymers on Whole-Cell Biosensors. <i>Langmuir</i> , 2012, 28, 10521-10527.	1.6	23
16	Gold-Decorated Carbon Composite Electrodes for Enzymatic Oxygen Reduction. <i>Electroanalysis</i> , 2012, 24, 931-937.	1.5	11
17	New materials for biological fuel cells. <i>Materials Today</i> , 2012, 15, 166-173.	8.3	141
18	Design of Carbon Nanotube-Based Gas Diffusion Cathode for $O_2$ Reduction by Multicopper Oxidases. <i>Advanced Energy Materials</i> , 2012, 2, 162-168.	10.2	74

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19	Bioelectrocatalytic generation of directly readable code: harnessing cathodic current for long-term information relay. <i>Chemical Communications</i> , 2011, 47, 7662.	2.2	46
20	Supramolecular assembly of a biomineralizing antimicrobial peptide in coarse-grained Monte Carlo simulations. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1123-1130.	1.3	11
21	Design Parameters for Tuning the Type 1 Cu Multicopper Oxidase Redox Potential: Insight from a Combination of First Principles and Empirical Molecular Dynamics Simulations. <i>Journal of the American Chemical Society</i> , 2011, 133, 4802-4809.	6.6	81
22	Hybrid fibers containing protein-templated nanomaterials and biologically active components as antibacterial materials. <i>Materials Science and Engineering C</i> , 2011, 31, 1748-1758.	3.8	22
23	Enzymatic fuel cells: Integrating flow-through anode and air-breathing cathode into a membrane-less biofuel cell design. <i>Biosensors and Bioelectronics</i> , 2011, 27, 132-136.	5.3	104
24	Enzyme Stabilization via Bio-templated Silicification Reactions. <i>Methods in Molecular Biology</i> , 2011, 679, 85-97.	0.4	7
25	Biodegradation of medium chain hydrocarbons by <i>Acinetobacter venetianus</i> 2AW immobilized to hair-based adsorbent mats. <i>Biotechnology Progress</i> , 2011, 27, 1580-1587.	1.3	16
26	The utility of <i>Shewanella japonica</i> for microbial fuel cells. <i>Bioresource Technology</i> , 2011, 102, 290-297.	4.8	41
27	Protein Localization in Silica Nanospheres Derived via Biomimetic Mineralization. <i>Advanced Functional Materials</i> , 2010, 20, 3031-3038.	7.8	36
28	Surface characterization and direct bioelectrocatalysis of multicopper oxidases. <i>Electrochimica Acta</i> , 2010, 55, 7385-7393.	2.6	55
29	High electrocatalytic activity of tethered multicopper oxidase-carbon nanotube conjugates. <i>Chemical Communications</i> , 2010, 46, 6045.	2.2	137
30	Standardized microbial fuel cell anodes of silica-immobilized <i>Shewanella oneidensis</i> . <i>Chemical Communications</i> , 2010, 46, 6048.	2.2	54
31	Impedance spectroscopy as a tool for non-intrusive detection of extracellular mediators in microbial fuel cells. <i>Biotechnology and Bioengineering</i> , 2009, 104, 882-891.	1.7	82
32	Lysozyme Catalyzes the Formation of Antimicrobial Silver Nanoparticles. <i>ACS Nano</i> , 2009, 3, 984-994.	7.3	219
33	Encapsulation of Bacterial Spores in Nanoorganized Polyelectrolyte Shells. <i>Langmuir</i> , 2009, 25, 14011-14016.	1.6	71
34	Hybrid Antimicrobial Enzyme and Silver Nanoparticle Coatings for Medical Instruments. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 1553-1560.	4.0	221
35	Entrapment of Enzymes and Carbon Nanotubes in Biologically Synthesized Silica: Glucose Oxidase-Catalyzed Direct Electron Transfer. <i>Small</i> , 2008, 4, 357-364.	5.2	171
36	The influence of acidity on microbial fuel cells containing <i>Shewanella oneidensis</i> . <i>Biosensors and Bioelectronics</i> , 2008, 24, 900-905.	5.3	108

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37	Synthesis of Bioinorganic Antimicrobial Peptide Nanoparticles with Potential Therapeutic Properties. <i>Biomacromolecules</i> , 2008, 9, 2487-2494.	2.6	48
38	Enzyme-encapsulated silica monolayers for rapid functionalization of a gold surface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 58, 28-33.	2.5	50
39	Biosensor system for continuous monitoring of organophosphate aerosols. <i>Biosensors and Bioelectronics</i> , 2007, 23, 400-406.	5.3	25
40	Synthesis of substituted catechols using nitroarene dioxygenases. <i>Enzyme and Microbial Technology</i> , 2006, 38, 142-147.	1.6	5
41	Silica-immobilized enzyme reactors; application to cholinesterase-inhibition studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 843, 310-316.	1.2	49
42	Protein Engineering of the 4-Methyl-5-Nitrocatechol Monooxygenase from <i>Burkholderia</i> sp. Strain DNT for Enhanced Degradation of Nitroaromatics. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3933-3939.	1.4	25
43	Origins of the 2,4-Dinitrotoluene Pathway. <i>Journal of Bacteriology</i> , 2002, 184, 4219-4232.	1.0	94
44	Molecular Characterization and Substrate Specificity of Nitrobenzene Dioxygenase from <i>Comamonas</i> sp. Strain JS765. <i>Applied and Environmental Microbiology</i> , 2002, 68, 634-641.	1.4	140
45	Properties of the trihydroxytoluene oxygenase from <i>Burkholderia cepacia</i> R34: an extradiol dioxygenase from the 2,4-dinitrotoluene pathway. <i>Archives of Microbiology</i> , 2000, 173, 86-90.	1.0	36
46	Biochemical and Genetic Evidence for meta -Ring Cleavage of 2,4,5-Trihydroxytoluene in <i>Burkholderia</i> sp. Strain DNT. <i>Journal of Bacteriology</i> , 1999, 181, 965-972.	1.0	30