

Shelley D Minter

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

397
papers

15,787
citations

65
h-index

109
g-index

487
ext. papers

18,581
ext. citations

8.9
avg, IF

7.36
L-index

#	Paper	IF	Citations
397	Investigating the Electroactivity of <i>Salinivibrio</i> sp. EAGSL, through Electroanalytical Techniques and Genomic Insights. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 025501	3.9	0
396	One-Pot Bioelectrocatalytic Conversion of Chemically Inert Hydrocarbons to Imines.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	6
395	Understanding metabolic bioelectrocatalysis of the purple bacterium <i>Rhodobacter capsulatus</i> through substrate modulation. <i>Electrochimica Acta</i> , 2022 , 416, 140291	6.7	1
394	Electrochemical Cascade Reactions for Electro-Organic Synthesis. <i>Current Opinion in Electrochemistry</i> , 2022 , 101049	7.2	0
393	Cobalt-electrocatalytic HAT for functionalization of unsaturated C=C bonds. <i>Nature</i> , 2022 , 605, 687-695	50.4	7
392	Advances on the Merger of Electrochemistry and Transition Metal Catalysis for Organic Synthesis. <i>Chemical Reviews</i> , 2021 ,	68.1	20
391	Critical role of structural order in bipolar redox-active molecules for organic redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 23563-23573	13	1
390	Materials Approaches for Improving Electrochemical Sensor Performance. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 11820-11834	3.4	4
389	A self-powered glucose biosensor device based on microfluidics using human blood. <i>Journal of Power Sources</i> , 2021 , 515, 230631	8.9	4
388	A Self-Powered Minimalistic Glucometer: A Lean Approach to Sustainable Single-Use Point-of-Care Devices. <i>Advanced Materials Technologies</i> , 2021 , 6, 2001051	6.8	4
387	Rapid Entrapment of Phenazine Ethosulfate within a Polyelectrolyte Complex on Electrodes for Efficient NAD Regeneration in Mediated NAD-Dependent Bioelectrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 10942-10951	9.5	3
386	Cascaded Biocatalysis and Bioelectrocatalysis: Overview and Recent Advances. <i>Annual Review of Physical Chemistry</i> , 2021 , 72, 467-488	15.7	8
385	Unveiling complete lactate oxidation through a hybrid catalytic cascade. <i>Electrochimica Acta</i> , 2021 , 376, 138044	6.7	4
384	Recent Trends and Advances in Microbial Electrochemical Sensing Technologies: An Overview. <i>Current Opinion in Electrochemistry</i> , 2021 , 100762	7.2	10
383	An engineered, non-diazotrophic cyanobacterium and its application in bioelectrochemical nitrogen fixation. <i>Cell Reports Physical Science</i> , 2021 , 2, 100444	6.1	7
382	Bioelectrocatalytic Conversion of N ₂ : From Chemically Inert Gas to Chiral Chemicals. <i>ECS Meeting Abstracts</i> , 2021 , MA2021-01, 1757-1757	0	
381	-Ammonium Ylide Mediators for Electrochemical C-H Oxidation. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7859-7867	16.4	17

380	Unbranched Hybrid Conducting Redox Polymers for Intact Chloroplast-Based Photobioelectrocatalysis. <i>Langmuir</i> , 2021 ,	4	4
379	Vibrational Spectroscopic Monitoring of the Gelation Transition in Nafion Ionomer Dispersions. <i>Applied Spectroscopy</i> , 2021 , 75, 376-384	3.1	1
378	Electrochemical Advances in Non-Aqueous Redox Flow Batteries. <i>Israel Journal of Chemistry</i> , 2021 , 61, 101-112	3.4	10
377	Analyzing mechanisms in Co(i) redox catalysis using a pattern recognition platform. <i>Chemical Science</i> , 2021 , 12, 4771-4778	9.4	8
376	The Use of Electroactive Halophilic Bacteria for Improvements and Advancements in Environmental High Saline Biosensing. <i>Biosensors</i> , 2021 , 11,	5.9	3
375	Ethanol Biofuel Cells: Hybrid Catalytic Cascades as a Tool for Biosensor Devices. <i>Biosensors</i> , 2021 , 11,	5.9	3
374	Bipolar Redox-Active Molecules in Non-Aqueous Organic Redox Flow Batteries: Status and Challenges. <i>ChemElectroChem</i> , 2021 , 8, 1215-1232	4.3	12
373	Three-Dimensional Glucose/Oxygen Biofuel Cells Based on Enzymes Embedded in Tetrabutylammonium Modified Nafion. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021 , 18,	2	2
372	Understanding the Properties of Phenazine Mediators that Promote Extracellular Electron Transfer in Escherichia coli. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 025503	3.9	3
371	Advances in Electrochemical Modification Strategies of 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2021 , 14, 1674-1686	8.3	11
370	Substrate Channeling by a Rationally Designed Fusion Protein in a Biocatalytic Cascade. <i>Jacs Au</i> , 2021 , 1, 1187-1197		1
369	ACS Measurement Science Au: The First Issue Exemplifies Diversity of Scope and Excellence in Measurement Science Research. <i>ACS Measurement Science Au</i> , 2021 , 1, 1-2		
368	Photo-bioelectrocatalytic CO2 reduction for a circular energy landscape. <i>Joule</i> , 2021 ,	27.8	10
367	Calendar aging of silicon-containing batteries. <i>Nature Energy</i> , 2021 , 6, 866-872	62.3	28
366	Using structure-function relationships to understand the mechanism of phenazine-mediated extracellular electron transfer in. <i>IScience</i> , 2021 , 24, 103033	6.1	3
365	Mechanical studies of the solid electrolyte interphase on anodes in lithium and lithium ion batteries. <i>Nanotechnology</i> , 2021 , 32,	3.4	5
364	A silver assist for microbial fuel cell power. <i>Science</i> , 2021 , 373, 1308-1309	33.3	0
363	Adapting confocal Raman microscopy for in situ studies of redox transformations at electrode-electrolyte interfaces. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 896, 115207	4.1	1

362	Rational design of artificial redox-mediating systems toward upgrading photobioelectrocatalysis. <i>Photochemical and Photobiological Sciences</i> , 2021 , 20, 1333-1356	4.2	3
361	Advances in electrochemical cofactor regeneration: enzymatic and non-enzymatic approaches. <i>Current Opinion in Biotechnology</i> , 2021 , 73, 14-21	11.4	5
360	Nanopore-based measurement of the interaction of P450cam monooxygenase and putidaredoxin at the single-molecule level. <i>Faraday Discussions</i> , 2021 ,	3.6	3
359	Bioelectrical understanding and engineering of cell biology. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20200013	4.1	17
358	Elucidating the Mechanism behind the Bionanomanufacturing of Gold Nanoparticles Using .. ACS <i>Applied Bio Materials</i> , 2020 , 3, 3859-3867	4.1	1
357	Electroenzymatic Nitrogen Fixation Using a MoFe Protein System Immobilized in an Organic Redox Polymer. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16511-16516	16.4	9
356	Nitrogenase Bioelectrocatalysis: ATP-Independent Ammonia Production Using a Redox Polymer/MoFe Protein System. <i>ACS Catalysis</i> , 2020 , 10, 6854-6861	13.1	13
355	Advancing the fundamental understanding and practical applications of photo-bioelectrocatalysis. <i>Chemical Communications</i> , 2020 , 56, 8553-8568	5.8	14
354	Elektroenzymatische Stickstofffixierung unter Verwendung eines MoFe-Proteinsystems immobilisiert in einem organischen Redoxpolymer. <i>Angewandte Chemie</i> , 2020 , 132, 16654-16659	3.6	0
353	Energy storage emerging: A perspective from the Joint Center for Energy Storage Research. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 12550-12557	11.5	103
352	Electrochemical Reduction of [Ni(Mebpy) ₃] ²⁺ : Elucidation of the Redox Mechanism by Cyclic Voltammetry and Steady-State Voltammetry in Low Ionic Strength Solutions. <i>ChemElectroChem</i> , 2020 , 7, 1473-1479	4.3	5
351	MoS ₂ nanostructured materials for electrode modification in the development of a laccase based amperometric biosensor for non-invasive dopamine detection. <i>Microchemical Journal</i> , 2020 , 155, 104792	4.8	15
350	Selective Electroenzymatic Oxyfunctionalization by Alkane Monooxygenase in a Biofuel Cell. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8969-8973	16.4	6
349	Selective Electroenzymatic Oxyfunctionalization by Alkane Monooxygenase in a Biofuel Cell. <i>Angewandte Chemie</i> , 2020 , 132, 9054-9058	3.6	0
348	Enzymatic Bioelectrocatalysis for Enzymology Applications. <i>ChemElectroChem</i> , 2020 , 7, 2222-2226	4.3	3
347	Bromide-Regulated Anisotropic Growth of Desert-Rose-Like Nanostructured Gold onto Carbon Fiber Electrodes as Freestanding Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7560-7571	6.1	2
346	Enhanced electrochemical oxidation of ethanol using a hybrid catalyst cascade architecture containing pyrene-TEMPO, oxalate decarboxylase and carboxylated multi-walled carbon nanotube. <i>Biosensors and Bioelectronics</i> , 2020 , 154, 112077	11.8	10
345	Ionic Liquid Stabilized 2,2,6,6-Tetramethylpiperidine 1-Oxyl Catalysis for Alcohol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4489-4498	8.3	8

344	Standalone operation of an EGO-FET for ultra-sensitive detection of HIV. <i>Biosensors and Bioelectronics</i> , 2020 , 156, 112103	11.8	35
343	Breath biosensing: using electrochemical enzymatic sensors for detection of biomarkers in human breath. <i>Current Opinion in Electrochemistry</i> , 2020 , 23, 26-30	7.2	14
342	Realization of an Asymmetric Non-Aqueous Redox Flow Battery through Molecular Design to Minimize Active Species Crossover and Decomposition. <i>Chemistry - A European Journal</i> , 2020 , 26, 5369-5373	4.8	23
341	Pyrene-Based Noncovalent Immobilization of Nitrogenase on Carbon Surfaces. <i>ChemBioChem</i> , 2020 , 21, 1729-1732	3.8	8
340	Unveiling salinity effects on photo-bioelectrocatalysis through combination of bioinformatics and electrochemistry. <i>Electrochimica Acta</i> , 2020 , 337, 135731-135731	6.7	11
339	The progress and outlook of bioelectrocatalysis for the production of chemicals, fuels and materials. <i>Nature Catalysis</i> , 2020 , 3, 225-244	36.5	90
338	Bioelectrocatalytic Conversion from N to Chiral Amino Acids in a H ₂ /Keto Acid Enzymatic Fuel Cell. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4028-4036	16.4	25
337	Biphasic Bioelectrocatalytic Synthesis of Chiral β -Hydroxy Nitriles. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-02, 2808-2808	0	
336	Spatially Directed Functionalization by Co-electropolymerization of Two 3,4-ethylenedioxythiophene Derivatives on Microelectrodes within an Array. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 166511	3.9	
335	Hybrid enzymatic and organic catalyst cascade for enhanced complete oxidation of ethanol in an electrochemical micro-reactor device. <i>Electrochimica Acta</i> , 2020 , 331, 135254	6.7	8
334	Direct bioelectrocatalysis by redox enzymes immobilized in electrostatically condensed oppositely charged polyelectrolyte electrode coatings. <i>Analyst</i> , 2020 , 145, 1250-1257	5	6
333	Cytochrome c oxidase oxygen reduction reaction induced by cytochrome c on nickel-coordination surfaces based on graphene oxide in suspension. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020 , 1861, 148262	4.6	1
332	Chloroplast biosolar cell and self-powered herbicide monitoring. <i>Chemical Communications</i> , 2020 , 56, 13161-13164	5.8	2
331	Fundamentals, Applications, and Future Directions of Bioelectrocatalysis. <i>Chemical Reviews</i> , 2020 , 120, 12903-12993	68.1	86
330	Recent advancements in rational design of non-aqueous organic redox flow batteries. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 4370-4389	5.8	18
329	In-situ and controllable synthesis of graphene-gold nanoparticles/molecularly imprinted polymers composite modified electrode for sensitive and selective rutin detection. <i>Microchemical Journal</i> , 2020 , 158, 105254	4.8	9
328	Effects of the cross-linker on the performance and stability of enzymatic electrocatalytic films of glucose oxidase and dimethylferrocene-modified linear poly(ethyleneimine). <i>Electrochimica Acta</i> , 2020 , 337, 135782	6.7	6
327	Electroreductive Olefin-Ketone Coupling. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20979-20986	8.4	30

326	Using nature's blueprint to expand catalysis with Earth-abundant metals. <i>Science</i> , 2020 , 369,	33.3	124
325	Draft Genome Sequence of sp. Strain EAGSL, a Biotechnologically Relevant Halophilic Microorganism. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	2
324	Purple Bacteria and 3D Redox Hydrogels for Bioinspired Photo-bioelectrocatalysis. <i>ChemSusChem</i> , 2020 , 13, 230-237	8.3	15
323	Modified biochar for phosphate adsorption in environmentally relevant conditions. <i>Chemical Engineering Journal</i> , 2020 , 380, 122375	14.7	61
322	Biphasic Bioelectrocatalytic Synthesis of Chiral β -Hydroxy Nitriles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8374-8382	16.4	20
321	Editors' Choice Review Exploration of Computational Approaches for Understanding Microbial Electrochemical Systems: Opportunities and Future Directions. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 065502	3.9	12
320	Online self-powered Cr(VI) monitoring with autochthonous <i>Pseudomonas</i> and a bio-inspired redox polymer. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 6449-6457	4.4	10
319	Performance comparison of different configurations of Glucose/O ₂ microfluidic biofuel cell stack. <i>Journal of Power Sources</i> , 2019 , 414, 150-157	8.9	21
318	Energy Selects. <i>ACS Energy Letters</i> , 2019 , 4, 2351-2352	20.1	1
317	Establishing a Thermodynamic Landscape for the Active Site of Mo-Dependent Nitrogenase. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17150-17157	16.4	22
316	Tuning purple bacteria salt-tolerance for photobioelectrochemical systems in saline environments. <i>Faraday Discussions</i> , 2019 , 215, 15-25	3.6	13
315	Tricarboxylic acid metabolon. <i>Methods in Enzymology</i> , 2019 , 617, 29-43	1.7	5
314	Polycaprolactone-enabled sealing and carbon composite electrode integration into electrochemical microfluidics. <i>Lab on A Chip</i> , 2019 , 19, 2589-2597	7.2	18
313	Biological approaches to artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , 2019 , 215, 66-83	3.6	
312	Synthetic approaches to artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , 2019 , 215, 242-281	3.6	4
311	Transitioning from batch to flow hypersaline microbial fuel cells. <i>Electrochimica Acta</i> , 2019 , 317, 494-5016.7	16.7	10
310	Markov-State Transition Path Analysis of Electrostatic Channeling. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 15284-15292	3.8	9
309	A synthetic chemist's guide to electroanalytical tools for studying reaction mechanisms. <i>Chemical Science</i> , 2019 , 10, 6404-6422	9.4	136

308	Multimerization of an Alcohol Dehydrogenase by Fusion to a Designed Self-Assembling Protein Results in Enhanced Bioelectrocatalytic Operational Stability. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20022-20028	9.5	5
307	Confocal Raman Microscopy Investigation of Self-Assembly of Hybrid Phospholipid Bilayers within Individual Porous Silica Chromatographic Particles. <i>Analytical Chemistry</i> , 2019 , 91, 7790-7797	7.8	2
306	Phthalocyanines as a Adsorption Strategy to Immobilize Catalyst on Carbon for Electrochemical Synthesis. <i>Synlett</i> , 2019 , 30, 1187-1193	2.2	2
305	Modular Microfluidic Paper-Based Devices for Multi-Modal Cascade Catalysis. <i>ChemElectroChem</i> , 2019 , 6, 2448-2455	4.3	5
304	Efficient NADH Regeneration by a Redox Polymer-Immobilized Enzymatic System. <i>ACS Catalysis</i> , 2019 , 9, 5486-5495	13.1	58
303	Extracellular Electron Transfer: Following Nature: Bioinspired Mediation Strategy for Gram-Positive Bacterial Cells (Adv. Energy Mater. 16/2019). <i>Advanced Energy Materials</i> , 2019 , 9, 1970055	21.8	3
302	Electrochemically Driven, Ni-Catalyzed Aryl Amination: Scope, Mechanism, and Applications. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6392-6402	16.4	152
301	Redox polymers in electrochemical systems: From methods of mediation to energy storage. <i>Current Opinion in Electrochemistry</i> , 2019 , 15, 1-6	7.2	56
300	Upgraded Bioelectrocatalytic N Fixation: From N to Chiral Amine Intermediates. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4963-4971	16.4	41
299	Following Nature: Bioinspired Mediation Strategy for Gram-Positive Bacterial Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1900215	21.8	17
298	Microbial amperometric biosensor for online herbicide detection: Photocurrent inhibition of <i>Anabaena variabilis</i> . <i>Electrochimica Acta</i> , 2019 , 302, 102-108	6.7	42
297	Spectro-Electrochemical Microfluidic Platform for Monitoring Multi-Step Cascade Reactions. <i>ChemElectroChem</i> , 2019 , 6, 246-251	4.3	9
296	Enhancement of Electrocatalytic Oxidation of Glycerol by Plasmonics. <i>ChemElectroChem</i> , 2019 , 6, 241-245	4.3	13
295	Strategies for Bioelectrochemical CO Reduction. <i>Chemistry - A European Journal</i> , 2019 , 25, 14258-14266	4.8	28
294	Investigating the Nature of the Active Sites for the CO ₂ Reduction Reaction on Carbon-Based Electrocatalysts. <i>ACS Catalysis</i> , 2019 , 9, 7668-7678	13.1	34
293	Bioinspired architecture of a hybrid bifunctional enzymatic/organic electrocatalyst for complete ethanol oxidation. <i>Bioelectrochemistry</i> , 2019 , 130, 107331	5.6	11
292	From Biological to Biomimetic: Immobilizing Electrocatalysts for H ₂ /O ₂ Fuel Cells. <i>Joule</i> , 2019 , 3, 1819-1828	13.2	3
291	Mechanistic Studies into the Oxidative Addition of Co(I) Complexes: Combining Electroanalytical Techniques with Parameterization. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18877-18889	16.4	26

290	Scalable and safe synthetic organic electroreduction inspired by Li-ion battery chemistry. <i>Science</i> , 2019 , 363, 838-845	33.3	166
289	Nitrogenase Bioelectrochemistry for Synthesis Applications. <i>Accounts of Chemical Research</i> , 2019 , 52, 3351-3360	24.3	36
288	Infrared Microscopy as a Probe of Composition within a Model Biofuel Cell Electrode Prepared from <i>Trametes versicolor</i> Laccase. <i>ChemElectroChem</i> , 2019 , 6, 818-826	4.3	2
287	Investigating the Role of Ligand Electronics on Stabilizing Electrocatalytically Relevant Low-Valent Co(I) Intermediates. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1382-1392	16.4	40
286	Understanding Biophotocurrent Generation in Photosynthetic Purple Bacteria. <i>ACS Catalysis</i> , 2019 , 9, 867-873	13.1	29
285	Single Layer Graphene for Estimation of Axial Spatial Resolution in Confocal Raman Microscopy Depth Profiling. <i>Analytical Chemistry</i> , 2019 , 91, 1049-1055	7.8	14
284	Recent Developments in Nitrogen Reduction Catalysts: A Virtual Issue. <i>ACS Energy Letters</i> , 2019 , 4, 163-166	16.1	68
283	Clean energy from human sweat using an enzymatic patch. <i>Journal of Power Sources</i> , 2019 , 412, 496-504	8.9	22
282	Molybdenum-Dependent Formate Dehydrogenase for Formate Bioelectrocatalysis in a Formate/O ₂ Enzymatic Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H109-H113	3.9	18
281	Sustainable Bioelectrosynthesis of the Bioplastic Polyhydroxybutyrate: Overcoming Substrate Requirement for NADH Regeneration. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4909-4915	8.3	21
280	Creating a Low-Potential Redox Polymer for Efficient Electroenzymatic CO ₂ Reduction. <i>Angewandte Chemie</i> , 2018 , 130, 6692-6696	3.6	25
279	Creating a Low-Potential Redox Polymer for Efficient Electroenzymatic CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6582-6586	16.4	52
278	Hypersaline Microbial Self-Powered Biosensor with Increased Sensitivity. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H251-H254	3.9	12
277	Catalytic materials for biofuel conversion. <i>International Materials Reviews</i> , 2018 , 63, 241-256	16.1	8
276	High-Performance Oligomeric Catholytes for Effective Macromolecular Separation in Nonaqueous Redox Flow Batteries. <i>ACS Central Science</i> , 2018 , 4, 189-196	16.8	82
275	Enzymatic Electrosynthesis of Alkanes by Bioelectrocatalytic Decarbonylation of Fatty Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2404-2408	16.4	21
274	Enzymatic Electrosynthesis of Alkanes by Bioelectrocatalytic Decarbonylation of Fatty Aldehydes. <i>Angewandte Chemie</i> , 2018 , 130, 2428-2432	3.6	4
273	Alginate-Encapsulated Bacteria for the Treatment of Hypersaline Solutions in Microbial Fuel Cells. <i>ChemBioChem</i> , 2018 , 19, 1162	3.8	21

272	Electroenzymatic C-C Bond Formation from CO. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5041-5044	16.4	39
271	Fast and efficient removal of chromium (VI) anionic species by a reusable chitosan-modified multi-walled carbon nanotube composite. <i>Chemical Engineering Journal</i> , 2018 , 339, 259-267	14.7	98
270	Developing ethanol bioanodes using a hydrophobically modified linear polyethylenimine hydrogel for immobilizing an enzyme cascade. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 812, 153-158	4.1	12
269	Challenges for successful implantation of biofuel cells. <i>Bioelectrochemistry</i> , 2018 , 124, 57-72	5.6	114
268	Preparation of conductive carbon paper based on carbon nanofibers and polypyrrole for biofuel cell application. <i>Journal of Physics: Conference Series</i> , 2018 , 1052, 012066	0.3	0
267	Sweat as energy source using an enzymatic microfluidic fuel cell. <i>Journal of Physics: Conference Series</i> , 2018 , 1052, 012142	0.3	1
266	A new era for electron bifurcation. <i>Current Opinion in Chemical Biology</i> , 2018 , 47, 32-38	9.7	39
265	Cascade Kinetics of an Artificial Metabolon by Molecular Dynamics and Kinetic Monte Carlo. <i>ACS Catalysis</i> , 2018 , 8, 7719-7726	13.1	9
264	'Plug-and-Power' Point-of-Care diagnostics: A novel approach for self-powered electronic reader-based portable analytical devices. <i>Biosensors and Bioelectronics</i> , 2018 , 118, 88-96	11.8	14
263	A sustainable adsorbent for phosphate removal: modifying multi-walled carbon nanotubes with chitosan. <i>Journal of Materials Science</i> , 2018 , 53, 12641-12649	4.3	36
262	Catalysts for nitrogen reduction to ammonia. <i>Nature Catalysis</i> , 2018 , 1, 490-500	36.5	608
261	Microbial fuel cells in saline and hypersaline environments: Advancements, challenges and future perspectives. <i>Bioelectrochemistry</i> , 2018 , 120, 127-137	5.6	49
260	Bioinspired design of a hybrid bifunctional enzymatic/organic electrocatalyst for site selective alcohol oxidation. <i>Chemical Communications</i> , 2018 , 54, 491-494	5.8	13
259	Brownian dynamic study of an enzyme metabolon in the TCA cycle: Substrate kinetics and channeling. <i>Protein Science</i> , 2018 , 27, 463-471	6.3	20
258	Self-Powered Biosensors. <i>ACS Sensors</i> , 2018 , 3, 44-53	9.2	171
257	Electrometabolic Pathways: Recent Developments in Bioelectrocatalytic Cascades. <i>Topics in Current Chemistry</i> , 2018 , 376, 43	7.2	6
256	Lag Time Spectrophotometric Assay for Studying Transport Limitation in Immobilized Enzymes. <i>ACS Omega</i> , 2018 , 3, 11945-11949	3.9	0
255	Processes at nanoelectrodes: general discussion. <i>Faraday Discussions</i> , 2018 , 210, 235-265	3.6	1

254	Nitrogenase Bioelectrocatalysis: From Understanding Electron-Transfer Mechanisms to Energy Applications. <i>ACS Energy Letters</i> , 2018 , 3, 2736-2742	20.1	39
253	Hybrid catalyst cascade architecture enhancement for complete ethanol electrochemical oxidation. <i>Biosensors and Bioelectronics</i> , 2018 , 121, 281-286	11.8	20
252	Energy conversion at nanointerfaces: general discussion. <i>Faraday Discussions</i> , 2018 , 210, 333-351	3.6	
251	Control of electron transfer in nitrogenase. <i>Current Opinion in Chemical Biology</i> , 2018 , 47, 54-59	9.7	26
250	Improved performance of a paper-based glucose fuel cell by capillary induced flow. <i>Electrochimica Acta</i> , 2018 , 282, 336-342	6.7	26
249	Pyrene hydrogel for promoting direct bioelectrochemistry: ATP-independent electroenzymatic reduction of N. <i>Chemical Science</i> , 2018 , 9, 5172-5177	9.4	40
248	Confocal Raman Microscopy for in Situ Measurement of Phospholipid-Water Partitioning into Model Phospholipid Bilayers within Individual Chromatographic Particles. <i>Analytical Chemistry</i> , 2018 , 90, 7048-7055	7.8	6
247	Product Analysis of Operating an Ethanol/O ₂ Biofuel Cell Shows the Synergy between Enzymes within an Enzymatic Cascade. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H575-H579	3.9	14
246	Rechargeable membraneless glucose biobattery: Towards solid-state cathodes for implantable enzymatic devices. <i>Journal of Power Sources</i> , 2017 , 343, 103-108	8.9	20
245	Bioelectrochemical Haber-Bosch Process: An Ammonia-Producing H ₂ /N ₂ Fuel Cell. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2680-2683	16.4	155
244	Bioelectrochemical Haber-Bosch Process: An Ammonia-Producing H ₂ /N ₂ Fuel Cell. <i>Angewandte Chemie</i> , 2017 , 129, 2724-2727	3.6	22
243	Physical Organic Approach to Persistent, Cyclable, Low-Potential Electrolytes for Flow Battery Applications. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2924-2927	16.4	118
242	Raman Spectroscopy Reveals Selective Interactions of Cytochrome c with Cardiolipin That Correlate with Membrane Permeability. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3851-3860	16.4	34
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