

# Kazuhito Hashimoto

## List of Publications by Year in descending order

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691  
papers

70,138  
citations

506

128  
h-index

890

242  
g-index

717  
all docs

717  
docs citations

717  
times ranked

47735  
citing authors

#	ARTICLE	IF	CITATIONS
1	Launching STAM Methods: imaginative new publication platform for highlighting data-driven methods to accelerate research on innovative materials. <i>Science and Technology of Advanced Materials Methods</i> , 2021, 1, 1-1.	0.4	0
2	Antiviral Effect of Visible Light-Sensitive Cu <sub>x</sub> O/TiO <sub>2</sub> Photocatalyst. <i>Catalysts</i> , 2020, 10, 1093.	1.6	53
3	Electrochemical impedance analysis of the Li/Au-Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> interface during Li dissolution/deposition cycles: Effect of pre-coating Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> with Au. <i>Journal of Electroanalytical Chemistry</i> , 2019, 835, 143-149.	1.9	33
4	Looking to the future as STAM celebrates its 20th anniversary. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 464-464.	2.8	1
5	Effects of Chain Orientation in Self-Organized Buffer Layers Based on Poly(3-alkylthiophene)s for Organic Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 8901-8908.	4.0	17
6	Synthesis of diketopyrrolopyrrole-based polymers with polydimethylsiloxane side chains and their application in organic field-effect transistors. <i>Royal Society Open Science</i> , 2018, 5, 172025.	1.1	10
7	Evidence that Crystal Facet Orientation Dictates Oxygen Evolution Intermediates on Rutile Manganese Oxide. <i>Advanced Functional Materials</i> , 2018, 28, 1706319.	7.8	50
8	Multi-heme cytochromes provide a pathway for survival in energy-limited environments. <i>Science Advances</i> , 2018, 4, eaao5682.	4.7	155
9	Sulfur-Linked Covalent Triazine Frameworks Doped with Coordinatively Unsaturated Cu(I) as Electrocatalysts for Oxygen Reduction. <i>ChemElectroChem</i> , 2018, 5, 805-810.	1.7	26
10	Cooperative Electrocatalytic Reduction of Nitrobenzene to Aniline in Aqueous Solution by Copper-modified Covalent Triazine Framework. <i>Chemistry Letters</i> , 2018, 47, 304-307.	0.7	11
11	Dynamic changes in charge-transfer resistance at Li metal/Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> interfaces during electrochemical Li dissolution/deposition cycles. <i>Journal of Power Sources</i> , 2018, 376, 147-151.	4.0	95
12	Whole-cell circular dichroism difference spectroscopy reveals an <i>in vivo</i> -specific deca-heme conformation in bacterial surface cytochromes. <i>Chemical Communications</i> , 2018, 54, 13933-13936.	2.2	10
13	Effects of end-on oriented polymer chains at the donor/acceptor interface in organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22889-22898.	5.2	22
14	Synthesis of Poly(3-butylthiophene) with Trisiloxane End Group and Its Surface Segregation Behavior in Thin Films. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2018, 31, 151-156.	0.1	4
15	Anodic and Cathodic Extracellular Electron Transfer by the Filamentous Bacterium <i>Ardenticatena maritima</i> 110S. <i>Frontiers in Microbiology</i> , 2018, 9, 68.	1.5	33
16	Preparation of Polyoxometalate-based Photo-responsive Membranes for the Photo-activation of Manganese Oxide Catalysts. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	2
17	Electrochemical Detection of Deuterium Kinetic Isotope Effect on Extracellular Electron Transport in <i>Shewanella oneidensis</i> MR-1. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	6
18	Superhydrophobic Electrodes: Highly Boosted Oxygen Reduction Reaction Activity by Tuning the Underwater Wetting State of the Superhydrophobic Electrode (Small 4/2017). <i>Small</i> , 2017, 13, .	5.2	0

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19	Organic Solar Cells with Controlled Nanostructures Based on Microphase Separation of Fullerene-Attached Thiophene-Selenophene Heteroblock Copolymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4758-4768.	4.0	16
20	<i>In situ</i> electrochemical enrichment and isolation of a magnetite-reducing bacterium from a high pH serpentinizing spring. <i>Environmental Microbiology</i> , 2017, 19, 2272-2285.	1.8	59
21	Proton Transport in the Outer Membrane Flavocytochrome Complex Limits the Rate of Extracellular Electron Transport. <i>Angewandte Chemie</i> , 2017, 129, 9210-9214.	1.6	4
22	Proton Transport in the Outer Membrane Flavocytochrome Complex Limits the Rate of Extracellular Electron Transport. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9082-9086.	7.2	51
23	Cathodic supply of electrons to living microbial cells via cyto-compatible redox-active polymers. <i>Electrochemistry Communications</i> , 2017, 75, 17-20.	2.3	20
24	Ru atom-modified covalent triazine framework as a robust electrocatalyst for selective alcohol oxidation in aqueous electrolytes. <i>Chemical Communications</i> , 2017, 53, 10437-10440.	2.2	45
25	Efficiency of Oxygen Evolution on Iridium Oxide Determined from the pH Dependence of Charge Accumulation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17873-17881.	1.5	40
26	Design of Metal-to-Metal Charge-Transfer Chromophores for Visible-Light Activation of Oxygen-Evolving Mn Oxide Catalysts in a Polymer Film. <i>Chemistry of Materials</i> , 2017, 29, 7234-7242.	3.2	5
27	Molecular design of cyto-compatible amphiphilic redox-active polymers for efficient extracellular electron transfer. <i>Bioelectrochemistry</i> , 2017, 114, 8-12.	2.4	19
28	Highly Boosted Oxygen Reduction Reaction Activity by Tuning the Underwater Wetting State of the Superhydrophobic Electrode. <i>Small</i> , 2017, 13, 1601250.	5.2	107
29	Selective electrochemical reduction of nitrogen oxides by covalent triazine frameworks modified with single Pt atoms. <i>Journal of Electroanalytical Chemistry</i> , 2017, 800, 54-59.	1.9	24
30	Nanoscale Secondary Ion Mass Spectrometry Analysis of Individual Bacterial Cells Reveals Feedback from Extracellular Electron Transport to Upstream Reactions. <i>Electrochemistry</i> , 2017, 85, 444-446.	0.6	10
31	$Zr_{1/4}Mn_{3/4}O_2$ as a catalyst for the electrochemical reduction of nitrate to ammonia. <i>Journal of Electroanalytical Chemistry</i> , 2017, 800, 54-59.		
32	Flavin as an Indicator of the Rate-Limiting Factor for Microbial Current Production in <i>Shewanella oneidensis</i> MR-1. <i>Electrochimica Acta</i> , 2016, 216, 261-265.	2.6	28
33	Catalytic methane combustion over iron/nitrogen-doped silicon carbide. <i>RSC Advances</i> , 2016, 6, 85559-85563.	1.7	3
34	Legitimate intermediates of oxygen evolution on iridium oxide revealed by in situ electrochemical evanescent wave spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15199-15204.	1.3	40
35	Oxygen-Tolerant Electrodes with Platinum-Loaded Covalent Triazine Frameworks for the Hydrogen Oxidation Reaction. <i>Angewandte Chemie</i> , 2016, 128, 13378-13382.	1.6	25
36	Oxygen-Tolerant Electrodes with Platinum-Loaded Covalent Triazine Frameworks for the Hydrogen Oxidation Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13184-13188.	7.2	134

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37	Nickel-Nitrogen-Modified Graphene: An Efficient Electrocatalyst for the Reduction of Carbon Dioxide to Carbon Monoxide. <i>Small</i> , 2016, 12, 6083-6089.	5.2	228
38	Stability of organic compounds on the oxygen-evolving center of photosystem II and manganese oxide water oxidation catalysts. <i>Chemical Communications</i> , 2016, 52, 13760-13763.	2.2	18
39	Improved Energy Capacity of Aprotic Li <sub>2</sub> O <sub>2</sub> Batteries by Forming Cl-Incorporated Li <sub>2</sub> O <sub>2</sub> as the Discharge Product. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13360-13365.	1.5	25
40	Comprehensive metabolomic analyses of anode-respiring <i>Geobacter sulfurreducens</i> cells: The impact of anode-respiration activity on intracellular metabolite levels. <i>Process Biochemistry</i> , 2016, 51, 34-38.	1.8	22
41	Visible-Light-Sensitive Photocatalysts: Nanocluster-Grafted Titanium Dioxide for Indoor Environmental Remediation. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 75-84.	2.1	138
42	Comparison of the antiviral effect of solid-state copper and silver compounds. <i>Journal of Hazardous Materials</i> , 2016, 312, 1-7.	6.5	115
43	Electrocatalytic Reduction of Nitrate to Nitrous Oxide by a Copper-Modified Covalent Triazine Framework. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15729-15734.	1.5	117
44	Interface-induced crystallization and nanostructure formation of [6,6]-phenyl-C <sub>61</sub> -butyric acid methyl ester (PCBM) in polymer blend films and its application in photovoltaics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3335-3341.	5.2	14
45	Efficient oxygen reduction reaction electrocatalysts synthesized from an iron-coordinated aromatic polymer framework. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3858-3864.	5.2	20
46	Water Splitting Using Electrochemical Approach. <i>Lecture Notes in Energy</i> , 2016, , 175-189.	0.2	1
47	CO <sub>2</sub> Reduction Using an Electrochemical Approach from Chemical, Biological, and Geological Aspects in the Ancient and Modern Earth. <i>Lecture Notes in Energy</i> , 2016, , 213-228.	0.2	3
48	Acceleration of Extracellular Electron Transfer by Alternative Redox-Active Molecules to Riboflavin for Outer-Membrane Cytochrome <i>c</i> of <i>Shewanella oneidensis</i> MR-1. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16168-16173.	1.5	34
49	Iron Corrosive Sulfate Reducing Bacteria Uptake Extracellular Electrons Via Outer Membrane C-Type Cytochromes. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	1
50	Iron Corrosive Sulfate Reducing Bacteria Uptake Extracellular Electrons Via Outer Membrane C-Type Cytochromes. <i>Electrochemistry</i> , 2016, 8		
51	Extracellular Electron Transport Scarcely Accumulates Proton Motive Force in <i>Shewanella oneidensis</i> MR-1. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 690-692.	2.0	13
52	Electron Extraction from an Extracellular Electrode by <i>Desulfovibrio ferrophilus</i> Strain IS5 Without Using Hydrogen as an Electron Carrier. <i>Electrochemistry</i> , 2015, 83, 529-531.	0.6	43
53	Microbial Electrochemical Technologies Producing Electricity and Valuable Chemicals from Biodegradation of Waste Organic Matters. , 2015, , 5.1.4-1-5.1.4-14.		1
54	Copper-Modified Covalent Triazine Frameworks as Non-Noble-Metal Electrocatalysts for Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11068-11072.	7.2	237

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55	Optical Anisotropy and Strong $\pi$ -Aggregation of Poly(3-alkylthiophene) in a Surface Monolayer. <i>Advanced Materials</i> , 2015, 27, 6014-6020.	11.1	17
56	From chemolithoautotrophs to electrolithoautotrophs: CO <sub>2</sub> fixation by Fe(II)-oxidizing bacteria coupled with direct uptake of electrons from solid electron sources. <i>Frontiers in Microbiology</i> , 2015, 6, 994.	1.5	96
57	Electrochemical Detection of Circadian Redox Rhythm in Cyanobacterial Cells via Extracellular Electron Transfer. <i>Plant and Cell Physiology</i> , 2015, 56, 1053-1058.	1.5	14
58	Cobalt phthalocyanine analogs as soluble catalysts that improve the charging performance of Li-O <sub>2</sub> batteries. <i>Chemical Physics Letters</i> , 2015, 620, 78-81.	1.2	39
59	Crystallization-Induced Energy Level Change of [6,6]-Phenyl-C <sub>61</sub> -Butyric Acid Methyl Ester (PCBM) Film: Impact of Electronic Polarization Energy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23-28.	1.5	44
60	Efficient Bifunctional Fe/C/N Electrocatalysts for Oxygen Reduction and Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2583-2588.	1.5	150
61	Visible-light sensitive Cu(II)-TiO <sub>2</sub> with sustained anti-viral activity for efficient indoor environmental remediation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17312-17319.	5.2	55
62	Sulfur-Mediated Electron Shuttling Sustains Microbial Long-Distance Extracellular Electron Transfer with the Aid of Metallic Iron Sulfides. <i>Langmuir</i> , 2015, 31, 7427-7434.	1.6	63
63	Dominant Effects of First Monolayer Energetics at Donor/Acceptor Interfaces on Organic Photovoltaics. <i>Advanced Materials</i> , 2015, 27, 3025-3031.	11.1	53
64	Heat-treated 3,5-diamino-1,2,4-triazole/graphene hybrid functions as an oxygen reduction electrocatalyst with high activity and stability. <i>Electrochimica Acta</i> , 2015, 180, 173-177.	2.6	28
65	In Situ CO <sub>2</sub> -Emission Assisted Synthesis of Molybdenum Carbonitride Nanomaterial as Hydrogen Evolution Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2015, 137, 110-113.	6.6	278
66	Electrochemical selection and characterization of a high current-generating <i>Shewanella oneidensis</i> mutant with altered cell-surface morphology and biofilm-related gene expression. <i>BMC Microbiology</i> , 2014, 14, 190.	1.3	50
67	Effect of Ionic Strength on the Rate of Extracellular Electron Transport in <i>Shewanella oneidensis</i> through Bound Flavin Semiquinones. <i>ChemElectroChem</i> , 2014, 1, 1840-1843.	1.7	7
68	Transition Metal Complexes with Macrocyclic Ligands Serve as Efficient Electrocatalysts for Aprotic Oxygen Evolution on Li <sub>2</sub> O <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2014, 118, 28435-28439.	1.5	41
69	Regulation of the Cyanobacterial Circadian Clock by Electrochemically Controlled Extracellular Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2208-2211.	7.2	27
70	Enhancement of $V_{OC}$ without Loss of $J_{SC}$ in Organic Solar Cells by Modification of Donor/Acceptor Interfaces. <i>Advanced Energy Materials</i> , 2014, 4, 1301332.	10.2	54
71	Efficient Li <sub>2</sub> O <sub>2</sub> Formation via Aprotic Oxygen Reduction Reaction Mediated by Quinone Derivatives. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18397-18400.	1.5	62
72	Flavin Redox Bifurcation as a Mechanism for Controlling the Direction of Electron Flow during Extracellular Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10988-10991.	7.2	115

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73	Uptake of self-secreted flavins as bound cofactors for extracellular electron transfer in <i>Geobacter</i> species. <i>Energy and Environmental Science</i> , 2014, 7, 1357-1361.	15.6	176
74	Enhanced vertical carrier mobility in poly(3-alkylthiophene) thin films sandwiched between self-assembled monolayers and surface-segregated layers. <i>Chemical Communications</i> , 2014, 50, 3627-3630.	2.2	27
75	Cu nanocluster-grafted, Nb-doped TiO <sub>2</sub> as an efficient visible-light-sensitive photocatalyst based on energy-level matching between surface and bulk states. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13571-13579.	5.2	49
76	Surface functionalization of organic semiconductor films by segregated monolayers. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16383.	1.3	12
77	Extracellular Electron Transfer Enhances Polyhydroxybutyrate Productivity in <i>Ralstonia eutropha</i> . <i>Environmental Science and Technology Letters</i> , 2014, 1, 40-43.	3.9	33
78	Poly(4-hexyloxythiazole): A new low band gap semiconductor for polymer electronics. <i>Synthetic Metals</i> , 2014, 196, 139-144.	2.1	5
79	Charge Generation and Recombination in Fullerene-Attached Poly(3-hexylthiophene)-Based Diblock Copolymer Films. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10584-10589.	1.5	32
80	Separated crystallization of donor and acceptor in oligo(p-phenylenevinylene)-naphthalenediimide dyad films. <i>Synthetic Metals</i> , 2014, 197, 175-181.	2.1	4
81	Platinum-modified covalent triazine frameworks hybridized with carbon nanoparticles as methanol-tolerant oxygen reduction electrocatalysts. <i>Nature Communications</i> , 2014, 5, 5040.	5.8	289
82	Electrochemical CO <sub>2</sub> Reduction by Ni-containing Iron Sulfides: How Is CO <sub>2</sub> Electrochemically Reduced at Bisulfide-Bearing Deep-sea Hydrothermal Precipitates?. <i>Electrochimica Acta</i> , 2014, 141, 311-318.	2.6	100
83	Bound Flavin Model Suggests Similar Electron Transfer Mechanisms in <i>Shewanella</i> and <i>Geobacter</i> . <i>ChemElectroChem</i> , 2014, 1, 1808-1812.	1.7	91
84	Graphene Defects as Active Catalytic Sites that are Superior to Platinum Catalysts in Electrochemical Nitrate Reduction. <i>ChemElectroChem</i> , 2014, 1, 858-862.	1.7	28
85	Regulating proton-coupled electron transfer for efficient water splitting by manganese oxides at neutral pH. <i>Nature Communications</i> , 2014, 5, 4256.	5.8	151
86	Light-induced cell aggregation of <i>Euglena gracilis</i> towards economically feasible biofuel production. <i>RSC Advances</i> , 2014, 4, 20693-20698.	1.7	11
87	Iron-Nitrogen Coordination in Modified Graphene Catalyzes a Four-Electron Transfer Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2014, 1, 877-884.	1.7	16
88	Enhanced Photoactivity with Nanocluster-Grafted Titanium Dioxide Photocatalysts. <i>ACS Nano</i> , 2014, 8, 7229-7238.	7.3	120
89	In situ UV-vis Absorption Spectra of Intermediate Species for Oxygen-Evolution Reaction on the Surface of MnO <sub>2</sub> in Neutral and Alkaline Media. <i>Electrochemistry</i> , 2014, 82, 325-327.	0.6	25
90	Electrochemical CO <sub>2</sub> Reduction by Ni-containing Iron Sulfides: How Is CO <sub>2</sub> Electrochemically Reduced at Bisulfide-Bearing Deep-sea Hydrothermal Precipitates?. <i>Electrochimica Acta</i> , 2014, 141, 311-318.	2.6	100

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91	Cell-secreted Flavins Bound to Membrane Cytochromes Dictate Electron Transfer Reactions to Surfaces with Diverse Charge and pH. <i>Scientific Reports</i> , 2014, 4, 5628.	1.6	141
92	Low-voltage electrochemical CO <sub>2</sub> reduction by bacterial voltage-multiplier circuits. <i>Chemical Communications</i> , 2013, 49, 3967.	2.2	12
93	Nitrogen-doped carbon nanomaterials as non-metal electrocatalysts for water oxidation. <i>Nature Communications</i> , 2013, 4, 2390.	5.8	923
94	Low band gap polymers for photovoltaic device with photocurrent response wavelengths over 1000nm. <i>Polymer</i> , 2013, 54, 6501-6509.	1.8	62
95	Organic Electronic Devices with Copolymers Based on Naphthalene Diimide Connected with Non Conjugated Flexible Linker. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 05DA15.	0.8	2
96	Solution-based synthesis of pyrite films with enhanced photocurrent generation. <i>Chemical Communications</i> , 2013, 49, 1232.	2.2	47
97	Effects of a side chain sequence on surface segregation of regioregular poly(3-alkylthiophene) and interfacial modification of bilayer organic photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11867.	5.2	5
98	Use of cassette-electrode microbial fuel cell for wastewater treatment. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 176-181.	1.1	61
99	Light/electricity conversion by defined cocultures of <i>Chlamydomonas</i> and <i>Geobacter</i> . <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 412-417.	1.1	78
100	Control of Miscibility and Aggregation Via the Material Design and Coating Process for High-Performance Polymer Blend Solar Cells. <i>Advanced Materials</i> , 2013, 25, 6991-6996.	11.1	197
101	Synthesis of copolymer based on naphthalene diimide connected with a non-conjugated flexible linker. <i>Synthetic Metals</i> , 2013, 175, 9-14.	2.1	7
102	A Benzoselenadiazole-Based Low Band Gap Polymer: Synthesis and Photovoltaic Application. <i>Macromolecules</i> , 2013, 46, 763-768.	2.2	80
103	Efficient oxygen reduction by a Fe/Co/C/N nano-porous catalyst in neutral media. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1450-1456.	5.2	64
104	Extracellular Electron Transfer across Bacterial Cell Membranes via a Cytocompatible Redox-Active Polymer. <i>ChemPhysChem</i> , 2013, 14, 2159-2163.	1.0	44
105	Broad Spectrum Microbicidal Activity of Photocatalysis by TiO <sub>2</sub> . <i>Catalysts</i> , 2013, 3, 310-323.	1.6	90
106	Energy-Level Matching of Fe(III) Ions Grafted at Surface and Doped in Bulk for Efficient Visible-Light Photocatalysts. <i>Journal of the American Chemical Society</i> , 2013, 135, 10064-10072.	6.6	263
107	End-On Orientation of Semiconducting Polymers in Thin Films Induced by Surface Segregation of Fluoroalkyl Chains. <i>Journal of the American Chemical Society</i> , 2013, 135, 9644-9647.	6.6	71
108	Mechanisms of long-distance extracellular electron transfer of metal-reducing bacteria mediated by nanocolloidal semiconductive iron oxides. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5148.	5.2	58





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127	Introduction of a conjugated side chain as an effective approach to improving donor-acceptor photovoltaic polymers. <i>Energy and Environmental Science</i> , 2012, 5, 9756.	15.6	108
128	Hybrid Cu <sub>x</sub> O/TiO <sub>2</sub> Nanocomposites As Risk-Reduction Materials in Indoor Environments. <i>ACS Nano</i> , 2012, 6, 1609-1618.	7.3	387
129	Synthesis, characterization, and photovoltaic properties of diketopyrrolopyrrole-oligothiophene/fullerene dyads. <i>Synthetic Metals</i> , 2012, 162, 2201-2205.	2.1	12
130	Multielectron-transfer reactions at single Cu(ii) centers embedded in polyoxotungstates driven by photo-induced metal-to-metal charge transfer from anchored Ce(iii) to framework W(vi). <i>Chemical Communications</i> , 2012, 48, 2964.	2.2	25
131	Poly(bis-2,6-diaminopyridinesulfoxide) as an active and stable electrocatalyst for oxygen reduction reaction. <i>Journal of Materials Chemistry</i> , 2012, 22, 12263.	6.7	16
132	Morphological stability of organic solar cells based upon an oligo(p-phenylenevinylene)-C70 dyad. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16138.	1.3	32
133	Synthesis and application of poly(fluorene-alt-naphthalene diimide) as an n-type polymer for all-polymer solar cells. <i>Chemical Communications</i> , 2012, 48, 5283.	2.2	93
134	Influences of Aerobic Respiration on Current Generation by <i>Shewanella oneidensis</i> MR-1 in Single-Chamber Microbial Fuel Cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 270-275.	0.6	12
135	Inhibition of Charge Disproportionation of MnO <sub>2</sub> Electrocatalysts for Efficient Water Oxidation under Neutral Conditions. <i>Journal of the American Chemical Society</i> , 2012, 134, 18153-18156.	6.6	306
136	Instantaneous one-pot synthesis of Fe-N-modified graphene as an efficient electrocatalyst for the oxygen reduction reaction in acidic solutions. <i>Chemical Communications</i> , 2012, 48, 10213.	2.2	106
137	Highly efficient antiviral and antibacterial activities of solid-state cuprous compounds. <i>Journal of Hazardous Materials</i> , 2012, 235-236, 265-270.	6.5	167
138	Self-Supporting Oxygen Reduction Electrocatalysts Made from a Nitrogen-Rich Network Polymer. <i>Journal of the American Chemical Society</i> , 2012, 134, 19528-19531.	6.6	370
139	Visible-Light-Absorbing Polyoxometalates as Building Blocks for All-Inorganic Photosynthetic Assemblies. <i>ECS Meeting Abstracts</i> , 2012, , .	0.0	0
140	Mechanisms of pH-Dependent Activity for Water Oxidation to Molecular Oxygen by MnO <sub>2</sub> Electrocatalysts. <i>Journal of the American Chemical Society</i> , 2012, 134, 1519-1527.	6.6	476
141	Photocatalytic inactivation of influenza virus by titanium dioxide thin film. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1293-1298.	1.6	141
142	Effects of Block Length in Copolymers Based on Regioregular Oligothiophenes Linked With Electron-Accepting Units. <i>Macromolecular Rapid Communications</i> , 2012, 33, 658-663.	2.0	3
143	Microbial interspecies electron transfer via electric currents through conductive minerals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10042-10046.	3.3	505
144	A facile one-step hydrothermal synthesis of rhombohedral CuFeO <sub>2</sub> crystals with antivirus property. <i>Chemical Communications</i> , 2012, 48, 7365.	2.2	86

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145	Controlled Synthesis of Fullerene-Attached Poly(3-alkylthiophene)-Based Copolymers for Rational Morphological Design in Polymer Photovoltaic Devices. <i>Macromolecules</i> , 2012, 45, 6424-6437.	2.2	77
146	Flavins Secreted by Bacterial Cells of <i>Shewanella</i> Catalyze Cathodic Oxygen Reduction. <i>ChemSusChem</i> , 2012, 5, 1054-1058.	3.6	33
147	Interfacial modification of organic photovoltaic devices by molecular self-organization. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3713.	1.3	49
148	Conjugated Polymers Based on 1,3-Dithien-2-yl-thieno[3,4- <i>c</i> ]pyrrole-4,6-dione: Synthesis, Characterization, and Solvent Effects on Photovoltaic Performance. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2608-2614.	1.5	32
149	Roles of siderophore in manganese-oxide reduction by <i>Shewanella oneidensis</i> MR-1. <i>FEMS Microbiology Letters</i> , 2012, 326, 91-98.	0.7	30
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