

Kazuhito Hashimoto

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.

690

papers

62,145

citations

121

h-index

229

g-index

717

ext. papers

65,864

ext. citations

6.1

avg, IF

7.89

L-index

#	Paper	IF	Citations
690	Antiviral Effect of Visible Light-Sensitive Cu ₂ O/TiO ₂ Photocatalyst. <i>Catalysts</i> , 2020 , 10, 1093	4	25
689	Electrochemical impedance analysis of the Li/Au-Li ₇ La ₃ Zr ₂ O ₁₂ interface during Li dissolution/deposition cycles: Effect of pre-coating Li ₇ La ₃ Zr ₂ O ₁₂ with Au. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 835, 143-149	4.1	17
688	Effects of Chain Orientation in Self-Organized Buffer Layers Based on Poly(3-alkylthiophene)s for Organic Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8901-8908	9.5	13
687	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	3.3	6
686	Evidence that Crystal Facet Orientation Dictates Oxygen Evolution Intermediates on Rutile Manganese Oxide. <i>Advanced Functional Materials</i> , 2018 , 28, 1706319	15.6	33
685	Multi-heme cytochromes provide a pathway for survival in energy-limited environments. <i>Science Advances</i> , 2018 , 4, eaao5682	14.3	81
684	Sulfur-Linked Covalent Triazine Frameworks Doped with Coordinatively Unsaturated Cu(I) as Electrocatalysts for Oxygen Reduction. <i>ChemElectroChem</i> , 2018 , 5, 805-810	4.3	18
683	Cooperative Electrocatalytic Reduction of Nitrobenzene to Aniline in Aqueous Solution by Copper-modified Covalent Triazine Framework. <i>Chemistry Letters</i> , 2018 , 47, 304-307	1.7	8
682	Anodic and Cathodic Extracellular Electron Transfer by the Filamentous Bacterium 110S. <i>Frontiers in Microbiology</i> , 2018 , 9, 68	5.7	20
681	Preparation of Polyoxometalate-based Photo-responsive Membranes for the Photo-activation of Manganese Oxide Catalysts. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	2
680	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 ,	1.6	3
679	Dynamic changes in charge-transfer resistance at Li metal/Li ₇ La ₃ Zr ₂ O ₁₂ interfaces during electrochemical Li dissolution/deposition cycles. <i>Journal of Power Sources</i> , 2018 , 376, 147-151	8.9	65
678	Whole-cell circular dichroism difference spectroscopy reveals an in vivo-specific deca-heme conformation in bacterial surface cytochromes. <i>Chemical Communications</i> , 2018 , 54, 13933-13936	5.8	3
677	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	13	16
676	Synthesis of Poly(3-butylthiophene) with Trisiloxane End Group and Its Surface Segregation Behavior in Thin Films. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018 , 31, 151-156	0.7	4
675	Organic Solar Cells with Controlled Nanostructures Based on Microphase Separation of Fullerene-Attached Thiophene-Selenophene Heteroblock Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4758-4768	9.5	13
674	In situ electrochemical enrichment and isolation of a magnetite-reducing bacterium from a high pH serpentinizing spring. <i>Environmental Microbiology</i> , 2017 , 19, 2272-2285	5.2	21

655	Comparison of the antiviral effect of solid-state copper and silver compounds. <i>Journal of Hazardous Materials</i> , 2016 , 312, 1-7	12.8	62
654	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	3.8	75
653	Interface-induced crystallization and nanostructure formation of [6,6]-phenyl-C61-butyrac acid methyl ester (PCBM) in polymer blend films and its application in photovoltaics. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3335-3341	13	13
652	Efficient oxygen reduction reaction electrocatalysts synthesized from an iron-coordinated aromatic polymer framework. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3858-3864	13	18
651	Water Splitting Using Electrochemical Approach. <i>Lecture Notes in Energy</i> , 2016 , 175-189	0.4	1
650	CO ₂ 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	0.4	2
649	Acceleration of Extracellular Electron Transfer by Alternative Redox-Active Molecules to Riboflavin for Outer-Membrane Cytochrome c of <i>Shewanella oneidensis</i> MR-1. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 16168-16173	3.8	24
648	1.?????????????????????????????????????. <i>Electrochemistry</i> , 2016 , 84, 93-98	1.2	
647	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	6.7	17
646	Catalytic methane combustion over iron/nitrogen-doped silicon carbide. <i>RSC Advances</i> , 2016 , 6, 85559-85563	5.63	3
645	Legitimate intermediates of oxygen evolution on iridium oxide revealed by in situ electrochemical evanescent wave spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 15199-204	3.6	27
644	Visible-light sensitive Cu(II)TiO ₂ with sustained anti-viral activity for efficient indoor environmental remediation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17312-17319	13	38
643	Sulfur-Mediated Electron Shuttling Sustains Microbial Long-Distance Extracellular Electron Transfer with the Aid of Metallic Iron Sulfides. <i>Langmuir</i> , 2015 , 31, 7427-34	4	36
642	Dominant effects of first monolayer energetics at donor/acceptor interfaces on organic photovoltaics. <i>Advanced Materials</i> , 2015 , 27, 3025-31	24	47
641	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	6.7	23
640	In situ CO ₂ -emission assisted synthesis of molybdenum carbonitride nanomaterial as hydrogen evolution electrocatalyst. <i>Journal of the American Chemical Society</i> , 2015 , 137, 110-3	16.4	238
639	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	5.1	10
638	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	1.2	32

637	Microbial Electrochemical Technologies Producing Electricity and Valuable Chemicals from Biodegradation of Waste Organic Matters 2015 , 5.1.4-1-5.1.4-14		1
636	Copper-modified covalent triazine frameworks as non-noble-metal electrocatalysts for oxygen reduction. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11068-72	16.4	180
635	Optical anisotropy and strong H-aggregation of poly(3-alkylthiophene) in a surface monolayer. <i>Advanced Materials</i> , 2015 , 27, 6014-20	24	14
634	Copper-Modified Covalent Triazine Frameworks as Non-Noble-Metal Electrocatalysts for Oxygen Reduction. <i>Angewandte Chemie</i> , 2015 , 127, 11220-11224	3.6	30
633	From chemolithoautotrophs to electrolithoautotrophs: CO ₂ fixation by Fe(II)-oxidizing bacteria coupled with direct uptake of electrons from solid electron sources. <i>Frontiers in Microbiology</i> , 2015 , 6, 994	5.7	75
632	Electrochemical Detection of Circadian Redox Rhythm in Cyanobacterial Cells via Extracellular Electron Transfer. <i>Plant and Cell Physiology</i> , 2015 , 56, 1053-8	4.9	11
631	Cobalt phthalocyanine analogs as soluble catalysts that improve the charging performance of Li-O ₂ batteries. <i>Chemical Physics Letters</i> , 2015 , 620, 78-81	2.5	37
630	Crystallization-Induced Energy Level Change of [6,6]-Phenyl-C61-Butyric Acid Methyl Ester (PCBM) Film: Impact of Electronic Polarization Energy. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 23-28	3.8	36
629	Efficient Bifunctional Fe/C/N Electrocatalysts for Oxygen Reduction and Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2583-2588	3.8	131
628	Regulation of the cyanobacterial circadian clock by electrochemically controlled extracellular electron transfer. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2208-11	16.4	26
627	Enhancement of VOC without Loss of JSC in Organic Solar Cells by Modification of Donor/Acceptor Interfaces. <i>Advanced Energy Materials</i> , 2014 , 4, 1301332	21.8	42
626	Efficient Li ₂ O ₂ Formation via Aprotic Oxygen Reduction Reaction Mediated by Quinone Derivatives. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 18397-18400	3.8	49
625	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, 10988-91	16.4	80
624	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	35.4	128
623	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, 3627-30	5.8	23
622	Cu(II) nanocluster-grafted, Nb-doped TiO ₂ 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	13	46
621	Surface functionalization of organic semiconductor films by segregated monolayers. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 16383-7	3.6	11
620	Extracellular Electron Transfer Enhances Polyhydroxybutyrate Productivity in <i>Ralstonia eutropha</i> . <i>Environmental Science and Technology Letters</i> , 2014 , 1, 40-43	11	22

601	Transition Metal Complexes with Macrocyclic Ligands Serve as Efficient Electrocatalysts for Aprotic Oxygen Evolution on Li ₂ O ₂ . <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28435-28439	3.8	37
600	Low-voltage electrochemical CO ₂ reduction by bacterial voltage-multiplier circuits. <i>Chemical Communications</i> , 2013 , 49, 3967-9	5.8	11
599	Nitrogen-doped carbon nanomaterials as non-metal electrocatalysts for water oxidation. <i>Nature Communications</i> , 2013 , 4, 2390	17.4	780
598	Low band gap polymers for photovoltaic device with photocurrent response wavelengths over 1000nm. <i>Polymer</i> , 2013 , 54, 6501-6509	3.9	52
597	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	1.4	2
596	Solution-based synthesis of pyrite films with enhanced photocurrent generation. <i>Chemical Communications</i> , 2013 , 49, 1232-4	5.8	38
595	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	13	5
594	Use of cassette-electrode microbial fuel cell for wastewater treatment. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 115, 176-81	3.3	56
593	Light/electricity conversion by defined cocultures of Chlamydomonas and Geobacter. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 115, 412-7	3.3	57
592	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, 6991-6	24	192
591	Synthesis of copolymer based on naphthalene diimide connected with a non-conjugated flexible linker. <i>Synthetic Metals</i> , 2013 , 175, 9-14	3.6	7
590	A Benzoselenadiazole-Based Low Band Gap Polymer: Synthesis and Photovoltaic Application. <i>Macromolecules</i> , 2013 , 46, 763-768	5.5	76
589	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	13	60
588	Extracellular electron transfer across bacterial cell membranes via a cyto-compatible redox-active polymer. <i>ChemPhysChem</i> , 2013 , 14, 2159-63	3.2	40
587	Broad Spectrum Microbicidal Activity of Photocatalysis by TiO ₂ . <i>Catalysts</i> , 2013 , 3, 310-323	4	67
586	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, 10064-72	16.4	235
585	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, 9644-7	16.4	58
584	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	13	45

583	Photocatalytic activity of Cu/TiO-coated cordierite foam inactivates bacteriophages and. <i>Applied Catalysis B: Environmental</i> , 2013 , 129, 56-61	21.8	44
582	Generation of electricity and illumination by an environmental fuel cell in deep-sea hydrothermal vents. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10758-61	16.4	45
581	Electric field-induced dipole switching at the donor/acceptor interface in organic solar cells. <i>Advanced Materials</i> , 2013 , 25, 1071-5	24	34
580	Synthesis and Characterization of End-Functionalized Poly(3-butylthiophene) with Semifluoroalkyl Chains. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 1326-1331	2.6	14
579	Rate enhancement of bacterial extracellular electron transport involves bound flavin semiquinones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7856-61	11.5	302
578	Digestion of algal biomass for electricity generation in microbial fuel cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013 , 77, 670-2	2.1	16
577	Extracellular electron transfer of a highly adhesive and metabolically versatile bacterium. <i>ChemPhysChem</i> , 2013 , 14, 2407-12	3.2	10
576	Hydrothermal synthesis of visible light-sensitive conduction band-controlled tungsten-doped titanium dioxide photocatalysts with copper ion-grafts. <i>Journal of the Ceramic Society of Japan</i> , 2013 , 121, 563-567	1	2
575	Iron-oxide minerals affect extracellular electron-transfer paths of <i>Geobacter</i> spp. <i>Microbes and Environments</i> , 2013 , 28, 141-8	2.6	62
574	Hydrogen Evolution by Tungsten Carbonitride Nanoelectrocatalysts Synthesized by the Formation of a Tungsten Acid/Polymer Hybrid In Situ. <i>Angewandte Chemie</i> , 2013 , 125, 13883-13886	3.6	22
573	Hydrogen evolution by tungsten carbonitride nanoelectrocatalysts synthesized by the formation of a tungsten acid/polymer hybrid in situ. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13638-41	16.4	123
572	Generation of Electricity and Illumination by an Environmental Fuel Cell in Deep-Sea Hydrothermal Vents. <i>Angewandte Chemie</i> , 2013 , 125, 10958-10961	3.6	10
571	Donor/Acceptor Interface Modifications in Organic Solar Cells. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2013 , 26, 181-184	0.7	9
570	Electrochemical gating of tricarboxylic acid cycle in electricity-producing bacterial cells of <i>Shewanella</i> . <i>PLoS ONE</i> , 2013 , 8, e72901	3.7	28
569	Inactivation of Bacterial Wilt in Closed Soilless Cultivation by Photocatalytic Treatment and Silver. <i>Environmental Control in Biology</i> , 2013 , 51, 173-178	0.9	4
568	Acceleration effect of adsorbed thiocyanate ions on electrodeposition of CuSCN, causing spontaneous electrochemical oscillation. <i>Chemical Physics Letters</i> , 2012 , 530, 77-80	2.5	18
567	Long-range electron conduction of <i>Shewanella</i> biofilms mediated by outer membrane C-type cytochromes. <i>Bioelectrochemistry</i> , 2012 , 85, 61-5	5.6	66
566	Methanogenesis facilitated by electric syntrophy via (semi)conductive iron-oxide minerals. <i>Environmental Microbiology</i> , 2012 , 14, 1646-54	5.2	416

565	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	35.4	104
564	Hybrid Cu(x)O/TiO ₂ nanocomposites as risk-reduction materials in indoor environments. <i>ACS Nano</i> , 2012 , 6, 1609-18	16.7	337
563	Synthesis, characterization, and photovoltaic properties of diketopyrrolopyrrole-oligothiophene/fullerene dyads. <i>Synthetic Metals</i> , 2012 , 162, 2201-2205	3.6	10
562	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, 2964-6	5.8	22
561	Poly(bis-2,6-diaminopyridinesulfoxide) as an active and stable electrocatalyst for oxygen reduction reaction. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12263		15
560	Morphological stability of organic solar cells based upon an oligo(p-phenylenevinylene)-C70 dyad. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 16138-42	3.6	27
559	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, 5283-5	5.8	90
558	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, 270-5	2.1	11
557	Inhibition of charge disproportionation of MnO ₂ electrocatalysts for efficient water oxidation under neutral conditions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18153-6	16.4	255
556	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, 10213-5	5.8	101
555	Highly efficient antiviral and antibacterial activities of solid-state cuprous compounds. <i>Journal of Hazardous Materials</i> , 2012 , 235-236, 265-70	12.8	104
554	Self-supporting oxygen reduction electrocatalysts made from a nitrogen-rich network polymer. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19528-31	16.4	322
553	Mechanisms of pH-dependent activity for water oxidation to molecular oxygen by MnO ₂ electrocatalysts. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1519-27	16.4	397
552	Photocatalytic inactivation of influenza virus by titanium dioxide thin film. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 1293-8	4.2	106
551	Effects of block length in copolymers based on regioregular oligothiophenes linked with electron-accepting units. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 658-63	4.8	3
550	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, 10042-6	11.5	380
549	A facile one-step hydrothermal synthesis of rhombohedral CuFeO ₂ crystals with antivirus property. <i>Chemical Communications</i> , 2012 , 48, 7365-7	5.8	70
548	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	5.5	62

547	Flavins secreted by bacterial cells of <i>Shewanella</i> catalyze cathodic oxygen reduction. <i>ChemSusChem</i> , 2012 , 5, 1054-8	8.3	26
546	Interfacial modification of organic photovoltaic devices by molecular self-organization. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 3713-24	3.6	44
545	Conjugated Polymers Based on 1,3-Dithien-2-yl-thieno[3,4-c]pyrrole-4,6-dione: Synthesis, Characterization, and Solvent Effects on Photovoltaic Performance. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 2608-2614	3.8	31
544	Roles of siderophore in manganese-oxide reduction by <i>Shewanella oneidensis</i> MR-1. <i>FEMS Microbiology Letters</i> , 2012 , 326, 91-8	2.9	26
543	End-group stannylation of regioregular poly(3-hexylthiophene)s. <i>Polymer Journal</i> , 2012 , 44, 1145-1148	2.7	7
542	3D1058 Electrochemical regulation of gene expression profiles of <i>Rhodospseudomonas</i> , a photosynthesis bacterium(Photobiology:Photosynthesis, Oral Presentation, The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012 , 52, S63	0	
541	<i>Acidithiobacillus ferrooxidans</i> as a Bioelectrocatalyst for Conversion of Atmospheric CO ₂ into Extracellular Pyruvic Acid. <i>Electrochemistry</i> , 2012 , 80, 327-329	1.2	12
540	Potential and Cell Density Dependences of Extracellular Electron Transfer of Anode-Respiring <i>Geobacter sulfurreducens</i> Cells. <i>Electrochemistry</i> , 2012 , 80, 330-333	1.2	6
539	Encapsulation of <i>shewanella</i> in the redox phospholipid polymer hydrogel for microbial fuel cell fabrication. <i>Transactions of the Materials Research Society of Japan</i> , 2012 , 37, 529-532	0.2	2
538	Closed Soilless Cultivation System of Roses Planted in Rice Hull Substrate with TiO ₂ Photocatalytic Treatment of Waste Nutrient solution. <i>Shokubutsu Kankyo Kagaku</i> , 2012 , 24, 31-37	0.1	3
537	Negative faradaic resistance in extracellular electron transfer by anode-respiring <i>Geobacter sulfurreducens</i> cells. <i>Environmental Science & Technology</i> , 2011 , 45, 10163-9	10.3	30
536	Preparation of active layers in polymer solar cells by aerosol jet printing. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 4053-8	9.5	72
535	Field-effect hole mobility of poly(3-hexylthiophene-block-3-(2-ethylhexyl)thiophene)s. <i>Synthetic Metals</i> , 2011 , 161, 225-228	3.6	13
534	Synthesis and photovoltaic application of donor-acceptor type copolymers containing 9-cyanomethylene-fluorene derivatives with chemically tunable electronic properties. <i>Synthetic Metals</i> , 2011 , 161, 1289-1298	3.6	6
533	Cu(II) Oxide Amorphous Nanoclusters Grafted Ti ³⁺ Self-Doped TiO ₂ : An Efficient Visible Light Photocatalyst. <i>Chemistry of Materials</i> , 2011 , 23, 5282-5286	9.6	232
532	Photocatalytic inactivation of bacteriophages by TiO ₂ -coated glass plates under low-intensity, long-wavelength UV irradiation. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 1825-9	4.2	55
531	Visible-Light-Absorbing Lindqvist-Type Polyoxometalates as Building Blocks for All-Inorganic Photosynthetic Assemblies. <i>Electrochemistry</i> , 2011 , 79, 783-786	1.2	5
530	Photocatalytic and Electrochemical Characterizations of Cu(II)-Grafted TiO ₂ . <i>Electrochemistry</i> , 2011 , 79, 793-796	1.2	11

529	Tailoring organic heterojunction interfaces in bilayer polymer photovoltaic devices. <i>Nature Materials</i> , 2011 , 10, 450-5	27	246
528	Hydroxylated and aminated polyaniline nanowire networks for improving anode performance in microbial fuel cells. <i>Journal of Bioscience and Bioengineering</i> , 2011 , 112, 63-6	3.3	35
527	Bistability in the surface dipole of silicon grafted with copper nanoparticles: An in-situ electrochemical MIR-FTIR study. <i>Electrochemistry Communications</i> , 2011 , 13, 1447-1450	5.1	
526	Population dynamics and current-generation mechanisms in cassette-electrode microbial fuel cells. <i>Applied Microbiology and Biotechnology</i> , 2011 , 92, 1307-14	5.7	23
525	Nanostructure control in polymer solar cells by self-organization. <i>Chemical Record</i> , 2011 , 11, 8-17	6.6	8
524	Synthesis and Photovoltaic Properties of Donor-Acceptor Copolymer Based on Dithienopyrrole and Thienopyrroledione. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 305-310	2.6	30
523	Synthesis and characterizations of regioregular poly(3-alkylthiophene) with alternating dodecyl/1H,1H,2H,2H-perfluorooctyl side chains. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1478-83	4.8	25
522	All-Polymer Solar Cells from Perylene Diimide Based Copolymers: Material Design and Phase Separation Control. <i>Angewandte Chemie</i> , 2011 , 123, 2851-2855	3.6	25
521	Observation of In Vivo Cytochrome-Based Electron-Transport Dynamics Using Time-Resolved Evanescent Wave Electroabsorption Spectroscopy. <i>Angewandte Chemie</i> , 2011 , 123, 9303-9306	3.6	9
520	All-polymer solar cells from perylene diimide based copolymers: material design and phase separation control. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2799-803	16.4	379
519	Observation of in vivo cytochrome-based electron-transport dynamics using time-resolved evanescent wave electroabsorption spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9137-40	16.4	21
518	Efficient charge generation and collection in organic solar cells based on low band gap dyad molecules. <i>Chemical Communications</i> , 2011 , 47, 6365-7	5.8	37
517	Hierarchical micro/nano structures of carbon composites as anodes for microbial fuel cells. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 15016-21	3.6	25
516	Feedback stabilization involving redox states of c-type cytochromes in living bacteria. <i>Chemical Communications</i> , 2011 , 47, 3870-2	5.8	29
515	Experimental investigation of charge carrier transport in organic thin-film transistors with "buried surface layers". <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 139-42	9.5	18
514	In vivo participation of artificial porphyrins in electron-transport chains: electrochemical and spectroscopic analyses of microbial metabolism. <i>Inorganic Chemistry</i> , 2011 , 50, 2037-9	5.1	16
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