

# Kazuhito Hashimoto

## List of Publications by Citations

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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	Light-induced amphiphilic surfaces. <i>Nature</i> , <b>1997</b> , 388, 431-432	50.4	2832
689	TiO <sub>2</sub> Photocatalysis: A Historical Overview and Future Prospects. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 8269-8285	1.4	2513
688	Nitrogen-Concentration Dependence on Photocatalytic Activity of TiO <sub>2</sub> -xN <sub>x</sub> Powders. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 5483-5486	3.4	1838
687	Photoinduced Magnetization of a Cobalt-Iron Cyanide. <i>Science</i> , <b>1996</b> , 272, 704-5	33.3	1531
686	Effects of the Surface Roughness on Sliding Angles of Water Droplets on Superhydrophobic Surfaces. <i>Langmuir</i> , <b>2000</b> , 16, 5754-5760	4	1039
685	Detection of active oxidative species in TiO <sub>2</sub> photocatalysis using the fluorescence technique. <i>Electrochemistry Communications</i> , <b>2000</b> , 2, 207-210	5.1	941
684	Effects of Surface Structure on the Hydrophobicity and Sliding Behavior of Water Droplets. <i>Langmuir</i> , <b>2002</b> , 18, 5818-5822	4	937
683	Carbon-doped Anatase TiO <sub>2</sub> Powders as a Visible-light Sensitive Photocatalyst. <i>Chemistry Letters</i> , <b>2003</b> , 32, 772-773	1.7	846
682	Nitrogen-doped carbon nanomaterials as non-metal electrocatalysts for water oxidation. <i>Nature Communications</i> , <b>2013</b> , 4, 2390	17.4	780
681	Photogeneration of Highly Amphiphilic TiO <sub>2</sub> Surfaces. <i>Advanced Materials</i> , <b>1998</b> , 10, 135-138	24	713
680	Bactericidal and Detoxification Effects of TiO <sub>2</sub> Thin Film Photocatalysts. <i>Environmental Science &amp; Technology</i> , <b>1998</b> , 32, 726-728	10.3	692
679	Photoinduced Surface Wettability Conversion of ZnO and TiO <sub>2</sub> Thin Films. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 1984-1990	3.4	660
678	Preparation of Transparent Superhydrophobic Boehmite and Silica Films by Sublimation of Aluminum Acetylacetonate. <i>Advanced Materials</i> , <b>1999</b> , 11, 1365-1368	24	659
677	Recent Studies on Super-Hydrophobic Films. <i>Monatshefte für Chemie</i> , <b>2001</b> , 132, 31-41	1.4	643
676	Quantum yields of active oxidative species formed on TiO <sub>2</sub> photocatalyst. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2000</b> , 134, 139-142	4.7	631
675	Transparent Superhydrophobic Thin Films with Self-Cleaning Properties. <i>Langmuir</i> , <b>2000</b> , 16, 7044-7047	4	625
674	Studies of Surface Wettability Conversion on TiO <sub>2</sub> Single-Crystal Surfaces. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 2188-2194	3.4	586

673	Studies on photokilling of bacteria on TiO <sub>2</sub> thin film. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2003</b> , 156, 227-233	4.7	565
672	Photocatalysis and Photoinduced Hydrophilicity of Various Metal Oxide Thin Films. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 2812-2816	9.6	541
671	Electrochemically Tunable Magnetic Phase Transition in a High-T <sub>c</sub> Chromium Cyanide Thin Film. <i>Science</i> , <b>1996</b> , 271, 49-51	33.3	526
670	Photocatalytic bactericidal effect of TiO <sub>2</sub> thin films: dynamic view of the active oxygen species responsible for the effect. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>1997</b> , 106, 51-56	4.7	520
669	Photoelectrochemical information storage using an azobenzene derivative. <i>Nature</i> , <b>1990</b> , 347, 658-660	50.4	506
668	Photocatalytic activity and photoinduced hydrophilicity of titanium dioxide coated glass. <i>Thin Solid Films</i> , <b>1999</b> , 351, 260-263	2.2	496
667	Quantitative Evaluation of the Photoinduced Hydrophilic Conversion Properties of TiO <sub>2</sub> Thin Film Surfaces by the Reciprocal of Contact Angle. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 1028-1035	3.4	421
666	Efficient visible light-sensitive photocatalysts: Grafting Cu(II) ions onto TiO <sub>2</sub> and WO <sub>3</sub> photocatalysts. <i>Chemical Physics Letters</i> , <b>2008</b> , 457, 202-205	2.5	419
665	Methanogenesis facilitated by electric syntrophy via (semi)conductive iron-oxide minerals. <i>Environmental Microbiology</i> , <b>2012</b> , 14, 1646-54	5.2	416
664	Kinetics of Photocatalytic Reactions under Extremely Low-Intensity UV Illumination on Titanium Dioxide Thin Films. <i>Journal of Physical Chemistry A</i> , <b>1997</b> , 101, 8057-8062	2.8	406
663	Photochromism induced in an electrolytically pretreated MoO <sub>3</sub> thin film by visible light. <i>Nature</i> , <b>1992</b> , 355, 624-626	50.4	398
662	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> , <b>2012</b> , 134, 1519-27	16.4	397
661	Control of charge-transfer-induced spin transition temperature on cobalt-iron Prussian blue analogues. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 678-84	5.1	395
660	Electrochemical Reduction of Carbon Dioxide on Various Metal Electrodes in Low-Temperature Aqueous KHCO <sub>3</sub> Media. <i>Journal of the Electrochemical Society</i> , <b>1990</b> , 137, 1772-1778	3.9	393
659	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> , <b>2012</b> , 109, 10042-6	11.5	380
658	All-polymer solar cells from perylene diimide based copolymers: material design and phase separation control. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 2799-803	16.4	379
657	An efficient TiO <sub>2</sub> thin-film photocatalyst: photocatalytic properties in gas-phase acetaldehyde degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>1996</b> , 98, 79-86	4.7	358
656	Visible Light-Sensitive Cu(II)-Grafted TiO <sub>2</sub> Photocatalysts: Activities and X-ray Absorption Fine Structure Analyses. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 10761-10766	3.8	356

655	Hybrid Cu(x)O/TiO <sub>2</sub> Nanocomposites as risk-reduction materials in indoor environments. <i>ACS Nano</i> , <b>2012</b> , 6, 1609-18	16.7	337
654	A High-Spin Cyanide-Bridged Mn <sub>9</sub> W <sub>6</sub> Cluster (S=39/2) with a Full-Capped Cubane Structure. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 2952-2953	16.4	334
653	Self-supporting oxygen reduction electrocatalysts made from a nitrogen-rich network polymer. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 19528-31	16.4	322
652	Humidity-induced magnetization and magnetic pole inversion in a cyano-bridged metal assembly. <i>Nature Materials</i> , <b>2004</b> , 3, 857-61	27	317
651	Photoinduced Long-Range Magnetic Ordering of a Cobalt-Iron Cyanide. <i>Inorganic Chemistry</i> , <b>1999</b> , 38, 4405-4412	5.1	313
650	An Efficient Visible-Light-Sensitive Fe(III)-Grafted TiO <sub>2</sub> Photocatalyst. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 16481-16487	3.8	309
649	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> , <b>2013</b> , 110, 7856-61	11.5	302
648	Design and Preparation of a Novel Magnet Exhibiting Two Compensation Temperatures Based on Molecular Field Theory. <i>Physical Review Letters</i> , <b>1999</b> , 82, 1285-1288	7.4	295
647	Enhancement of the Photoinduced Hydrophilic Conversion Rate of TiO <sub>2</sub> Film Electrode Surfaces by Anodic Polarization. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 3023-3026	3.4	294
646	Preparation of hard super-hydrophobic films with visible light transmission. <i>Thin Solid Films</i> , <b>2000</b> , 376, 140-143	2.2	276
645	Electrochemical Behavior of Highly Conductive Boron-Doped Diamond Electrodes for Oxygen Reduction in Alkaline Solution. <i>Journal of the Electrochemical Society</i> , <b>1998</b> , 145, 1870-1876	3.9	275
644	Synthesis and Photovoltaic Properties of Diketopyrrolopyrrole-Based Donor-Acceptor Copolymers. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 4055-4061	9.6	273
643	Bactericidal activity of copper-deposited TiO <sub>2</sub> thin film under weak UV light illumination. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 4785-9	10.3	272
642	Giant Coercive Field of Nanometer- Sized Iron Oxide. <i>Advanced Materials</i> , <b>2004</b> , 16, 48-51	24	271
641	Conduction band energy level control of titanium dioxide: toward an efficient visible-light-sensitive photocatalyst. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 6898-9	16.4	264
640	Effect of Ultrasonic Treatment on Highly Hydrophilic TiO <sub>2</sub> Surfaces. <i>Langmuir</i> , <b>1998</b> , 14, 5918-5920	4	264
639	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> , <b>2012</b> , 134, 18153-6	16.4	255
638	Efficient Charge Collection with ZnO Nanorod Array in Hybrid Photovoltaic Devices. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 7218-7223	3.8	255

637	Tailoring organic heterojunction interfaces in bilayer polymer photovoltaic devices. <i>Nature Materials</i> , <b>2011</b> , 10, 450-5	27	246
636	Photoinduced magnetization in copper octacyanomolybdate. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 270-7	16.4	246
635	Magnetic properties of mixed ferro-ferrimagnets composed of Prussian blue analogs. <i>Physical Review B</i> , <b>1997</b> , 56, 11642-11652	3.3	243
634	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> , <b>2015</b> , 137, 110-3	16.4	238
633	Coexistence of ferroelectricity and ferromagnetism in a rubidium manganese hexacyanoferrate. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 3238-41	16.4	237
632	Photoinduced Surface Reactions on TiO <sub>2</sub> and SrTiO <sub>3</sub> Films: Photocatalytic Oxidation and Photoinduced Hydrophilicity. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 3-5	9.6	237
631	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> , <b>2013</b> , 135, 10064-72	16.4	235
630	Cu(II) Oxide Amorphous Nanoclusters Grafted Ti <sup>3+</sup> Self-Doped TiO <sub>2</sub> : An Efficient Visible Light Photocatalyst. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 5282-5286	9.6	232
629	First observation of phase transformation of all four Fe <sub>2</sub> O <sub>3</sub> phases (gamma → epsilon → beta → alpha-phase). <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 18299-303	16.4	231
628	Self-Organized Buffer Layers in Organic Solar Cells. <i>Advanced Materials</i> , <b>2008</b> , 20, 2211-2216	24	229
627	Synthesis of all-conjugated diblock copolymers by quasi-living polymerization and observation of their microphase separation. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 7812-3	16.4	227
626	Photocatalytic Degradation of Gaseous Formaldehyde Using TiO <sub>2</sub> Film. <i>Environmental Science &amp; Technology</i> , <b>1998</b> , 32, 3831-3833	10.3	227
625	Platinum-modified covalent triazine frameworks hybridized with carbon nanoparticles as methanol-tolerant oxygen reduction electrocatalysts. <i>Nature Communications</i> , <b>2014</b> , 5, 5040	17.4	225
624	Photoinduced magnetization in a two-dimensional cobalt octacyanotungstate. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 9240-1	16.4	223
623	Photoinduced magnetic pole inversion in a ferroferrimagnet: (Fe <sub>0.40</sub> Mn <sub>0.60</sub> ) <sub>1.5</sub> CrIII(CN) <sub>6</sub> . <i>Applied Physics Letters</i> , <b>1997</b> , 70, 1040-1042	3.4	221
622	Zeta potential and photocatalytic activity of nitrogen doped TiO <sub>2</sub> thin films. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 865	3.6	220
621	Synthesis and Photovoltaic Properties of a Novel Low Band Gap Polymer Based on N-Substituted Dithieno[3,2-b:2',3'-d]pyrrole. <i>Macromolecules</i> , <b>2008</b> , 41, 8302-8305	5.5	219
620	Preparation of Transparent TiO <sub>2</sub> Thin Film Photocatalyst and Its Photocatalytic Activity. <i>Chemistry Letters</i> , <b>1995</b> , 24, 841-842	1.7	206

619	Photokilling of Malignant Cells with Ultrafine TiO <sub>2</sub> Powder. <i>Bulletin of the Chemical Society of Japan</i> , <b>1991</b> , 64, 1268-1273	5.1	202
618	The effect of SiO <sub>2</sub> addition in super-hydrophilic property of TiO <sub>2</sub> photocatalyst. <i>Journal of Materials Science</i> , <b>1999</b> , 34, 2569-2574	4.3	193
617	Control of miscibility and aggregation via the material design and coating process for high-performance polymer blend solar cells. <i>Advanced Materials</i> , <b>2013</b> , 25, 6991-6	24	192
616	Autoxidation of Acetaldehyde Initiated by TiO <sub>2</sub> Photocatalysis under Weak UV Illumination. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 2699-2704	3.4	189
615	Synthesis of a metal oxide with a room-temperature photoreversible phase transition. <i>Nature Chemistry</i> , <b>2010</b> , 2, 539-45	17.6	183
614	Nickel-Nitrogen-Modified Graphene: An Efficient Electrocatalyst for the Reduction of Carbon Dioxide to Carbon Monoxide. <i>Small</i> , <b>2016</b> , 12, 6083-6089	11	180
613	Copper-modified covalent triazine frameworks as non-noble-metal electrocatalysts for oxygen reduction. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11068-72	16.4	180
612	Visible-light-driven Cu(II)-(Sr(1-y)Na(y))(Ti(1-x)Mo(x))O <sub>3</sub> photocatalysts based on conduction band control and surface ion modification. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 15259-67	16.4	178
611	Visible-light induced hydrophilicity on nitrogen-substituted titanium dioxide films. <i>Chemical Communications</i> , <b>2003</b> , 1298-9	5.8	178
610	Morphological Stabilization of Polymer Photovoltaic Cells by Using Cross-Linkable Poly(3-(5-hexenyl)thiophene). <i>Macromolecules</i> , <b>2009</b> , 42, 1610-1618	5.5	175
609	Diketopyrrolopyrrole-Based Semiconducting Polymer for Photovoltaic Device with Photocurrent Response Wavelengths up to 1.1 $\mu$ m. <i>Macromolecules</i> , <b>2010</b> , 43, 821-826	5.5	173
608	Reversible wettability control of TiO <sub>2</sub> surface by light irradiation. <i>Surface Science</i> , <b>2002</b> , 511, 401-407	1.8	171
607	Adhesion and sliding of wet snow on a super-hydrophobic surface with hydrophilic channels. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 547-555	4.3	169
606	A Ferroelectric Ferromagnet Composed of (PLZT) <sub>x</sub> (BiFeO <sub>3</sub> ) <sub>1-x</sub> Solid Solution. <i>Advanced Materials</i> , <b>2001</b> , 13, 487-490	24	168
605	Photocatalytic reactions of hydrocarbons and fossil fuels with water. Hydrogen production and oxidation. <i>The Journal of Physical Chemistry</i> , <b>1984</b> , 88, 4083-4088		164
604	Photoinduced magnetization with a high curie temperature and a large coercive field in a cyano-bridged cobalt-tungstate bimetallic assembly. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 5320-1	16.4	161
603	Design of all-inorganic molecular-based photocatalysts sensitive to visible light: Ti(IV)-O-Ce(III) bimetallic assemblies on mesoporous silica. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 9596-7	16.4	160
602	Photokilling of T-24 human bladder cancer cells with titanium dioxide. <i>British Journal of Cancer</i> , <b>1994</b> , 70, 1107-11	8.7	160

601	Self-constructed electrically conductive bacterial networks. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 508-11	16.4	159
600	Design of a Novel Magnet Exhibiting Photoinduced Magnetic Pole Inversion Based on Molecular Field Theory. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 10591-10597	16.4	156
599	Kinetic Analysis of the Photocatalytic Degradation of Gas-Phase 2-Propanol under Mass Transport-Limited Conditions with a TiO <sub>2</sub> Film Photocatalyst. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 1724-1729	3.4	154
598	Generation and Deactivation Processes of Superoxide Formed on TiO <sub>2</sub> Film Illuminated by Very Weak UV Light in Air or Water. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 4934-4938	3.4	152
597	Efficiency enhancement of polymer photovoltaic devices hybridized with ZnO nanorod arrays by the introduction of a vanadium oxide buffer layer. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 063308	3.4	151
596	Observation of an Fe(II) spin-crossover in a cesium iron hexacyanochromate. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8590-1	16.4	151
595	Reversible Photoinduced Magnetization. <i>Journal of the Electrochemical Society</i> , <b>1997</b> , 144, L11-L13	3.9	150
594	Binary cooperative complementary nanoscale interfacial materials. <i>Pure and Applied Chemistry</i> , <b>2000</b> , 72, 73-81	2.1	148
593	Temperature- and photo-induced phase transition in rubidium manganese hexacyanoferrate. <i>Coordination Chemistry Reviews</i> , <b>2005</b> , 249, 1830-1840	23.2	147
592	Photoinduced Hydrophilic Conversion of TiO <sub>2</sub> /WO <sub>3</sub> Layered Thin Films. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4714-4720	9.6	141
591	One-shot-laser-pulse-induced demagnetization in rubidium manganese hexacyanoferrate. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1245-1247	3.4	140
590	Respiratory interactions of soil bacteria with (semi)conductive iron-oxide minerals. <i>Environmental Microbiology</i> , <b>2010</b> , 12, 3114-23	5.2	138
589	Visible light sensitive photocatalyst, delafossite structured alpha-AgGaO(2). <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 23274-8	3.4	136
588	A large thermal hysteresis loop produced by a charge-transfer phase transition in a rubidium manganese hexacyanoferrate. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 5231-6	5.1	135
587	Photo-magnetic and magneto-optical effects of functionalized metal polycyanides. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2001</b> , 2, 71-88	16.4	135
586	TiO <sub>2</sub> -mediated photodegradation of liquid and solid organic compounds. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2000</b> , 137, 53-62	4.7	135
585	Transparent and Colored Magnetic Thin Films: (Fe <sub>1-x</sub> Cr <sub>11-x</sub> ) <sub>1.5</sub> [Cr <sup>III</sup> (CN) <sub>6</sub> ]. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 5349-5350	16.4	134
584	Efficient Bifunctional Fe/C/N Electrocatalysts for Oxygen Reduction and Evolution Reaction. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 2583-2588	3.8	131

583	Uptake of self-secreted flavins as bound cofactors for extracellular electron transfer in <i>Geobacter</i> species. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 1357-1361	35.4	128
582	Crystal structure and magnetic properties of an octacyanometalate-based three-dimensional tungstate(V)-manganese(II) bimetallic assembly. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 5095-101	5.1	128
581	Heterogeneous photocatalytic reactions of organic acids and water. New reaction paths besides the photo-Kolbe reaction. <i>The Journal of Physical Chemistry</i> , <b>1984</b> , 88, 2344-2350		127
580	Regulating proton-coupled electron transfer for efficient water splitting by manganese oxides at neutral pH. <i>Nature Communications</i> , <b>2014</b> , 5, 4256	17.4	126
579	Photocatalysis by Calcium Hydroxyapatite Modified with Ti(IV): Albumin Decomposition and Bactericidal Effect. <i>Langmuir</i> , <b>2003</b> , 19, 3428-3431	4	125
578	Three-dimensional conductive nanowire networks for maximizing anode performance in microbial fuel cells. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 4982-5	4.8	124
577	Efficient electrochemical reduction of nitrate to ammonia using conductive diamond film electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>1993</b> , 347, 409-415	4.1	124
576	Hydrogen evolution by tungsten carbonitride nanoelectrocatalysts synthesized by the formation of a tungsten acid/polymer hybrid in situ. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 13638-41	16.4	123
575	Fullerene attached all-semiconducting diblock copolymers for stable single-component polymer solar cells. <i>Chemical Communications</i> , <b>2010</b> , 46, 6723-5	5.8	123
574	Synthesis and Photovoltaic Properties of Donor-Acceptor Copolymers Based on 5,8-Dithien-2-yl-2,3-diphenylquinoxaline. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4890-4895	9.6	123
573	Synthesis and alcohol vapor sensitivity of a ferromagnetic copper-tungsten bimetallic assembly. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 3084-5	16.4	123
572	Highly Efficient TiO <sub>2</sub> Film Photocatalyst. Degradation of Gaseous Acetaldehyde. <i>Chemistry Letters</i> , <b>1994</b> , 23, 723-726	1.7	123
571	Photofunctional Vesicles Containing Prussian Blue and Azobenzene. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 3745-3750	16.4	122
570	Photocatalytic Activity and Photo-Induced Wettability Conversion of TiO <sub>2</sub> Thin Film Prepared by Sol-Gel Process on a Soda-Lime Glass. <i>Journal of Sol-Gel Science and Technology</i> , <b>2000</b> , 19, 71-76	2.3	121
569	Synthesis, crystal structures, and magnetic properties of two cyano-bridged tungstate(V)-manganese(II) bimetallic magnets. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 1848-56	5.1	120
568	Time-Dependent Behavior of Active Oxygen Species Formed on Photoirradiated TiO <sub>2</sub> Films in Air. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 2117-2120	3.4	120
567	Disruption of the putative cell surface polysaccharide biosynthesis gene SO3177 in <i>Shewanella oneidensis</i> MR-1 enhances adhesion to electrodes and current generation in microbial fuel cells. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 4151-7	4.8	117
566	Analyses of current-generating mechanisms of <i>Shewanella loihica</i> PV-4 and <i>Shewanella oneidensis</i> MR-1 in microbial fuel cells. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 7674-81	4.8	116



565	Electrochemical synthesis, crystal structure, and photomagnetic properties of a three-dimensional cyano-bridged copper-molybdenum complex. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 3864-9	16.4	115
564	Electrochemical Behavior of Highly Conductive Boron-Doped Diamond Electrodes for Oxygen Reduction in Acid Solution. <i>Journal of the Electrochemical Society</i> , <b>1999</b> , 146, 1081-1087	3.9	115
563	Photochemical diode model of Pt/TiO <sub>2</sub> particle and its photocatalytic activity. <i>Chemical Physics Letters</i> , <b>1982</b> , 88, 50-54	2.5	114
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