Kazuhito Hashimoto

List of Publications by Year
in descending order

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691	70,138	506 128	890 242
papers	citations	h-index	g-index

717	717	717	47735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Light-induced amphiphilic surfaces. Nature, 1997, 388, 431-432.	13.7	3,161
2	TiO2Photocatalysis: A Historical Overview and Future Prospects. Japanese Journal of Applied Physics, 2005, 44, 8269-8285.	0.8	2,895
3	Nitrogen-Concentration Dependence on Photocatalytic Activity of TiO2-xNxPowders. Journal of Physical Chemistry B, 2003, 107, 5483-5486.	1.2	1,939
4	Photoinduced Magnetization of a Cobalt-Iron Cyanide. Science, 1996, 272, 704-705.	6.0	1,693
5	Effects of the Surface Roughness on Sliding Angles of Water Droplets on Superhydrophobic Surfaces. Langmuir, 2000, 16, 5754-5760.	1.6	1,182
6	Detection of active oxidative species in TiO2 photocatalysis using the fluorescence technique. Electrochemistry Communications, 2000, 2, 207-210.	2.3	1,048
7	Effects of Surface Structure on the Hydrophobicity and Sliding Behavior of Water Droplets. Langmuir, 2002, 18, 5818-5822.	1.6	1,048
8	Nitrogen-doped carbon nanomaterials as non-metal electrocatalysts for water oxidation. Nature Communications, 2013, 4, 2390.	5.8	923
9	Carbon-doped Anatase TiO2Powders as a Visible-light Sensitive Photocatalyst. Chemistry Letters, 2003, 32, 772-773.	0.7	898
10	Photogeneration of Highly Amphiphilic TiO2 Surfaces. Advanced Materials, 1998, 10, 135-138.	11.1	800
11	Bactericidal and Detoxification Effects of TiO2Thin Film Photocatalysts. Environmental Science & Technology, 1998, 32, 726-728.	4.6	768
12	Photoinduced Surface Wettability Conversion of ZnO and TiO2 Thin Films. Journal of Physical Chemistry B, 2001, 105, 1984-1990.	1.2	723
13	Preparation of Transparent Superhydrophobic Boehmite and Silica Films by Sublimation of Aluminum Acetylacetonate. Advanced Materials, 1999, 11, 1365-1368.	11.1	717
14	Recent Studies on Super-Hydrophobic Films. Monatshefte FÃ¼r Chemie, 2001, 132, 31-41.	0.9	702
15	Quantum yields of active oxidative species formed on TiO2 photocatalyst. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 134, 139-142.	2.0	694
16	Transparent Superhydrophobic Thin Films with Self-Cleaning Properties. Langmuir, 2000, 16, 7044-7047.	1.6	677
17	Studies of Surface Wettability Conversion on TiO2 Single-Crystal Surfaces. Journal of Physical Chemistry B, 1999, 103, 2188-2194.	1.2	650
18	Studies on photokilling of bacteria on TiO2 thin film. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 156, 227-233.	2.0	634

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19	Photocatalysis and Photoinduced Hydrophilicity of Various Metal Oxide Thin Films. Chemistry of Materials, 2002, 14, 2812-2816.	3.2	601
20	Electrochemically Tunable Magnetic Phase Transition in a High-Tc Chromium Cyanide Thin Film. Science, 1996, 271, 49-51.	6.0	587
21	Photocatalytic bactericidal effect of TiO2 thin films: dynamic view of the active oxygen species responsible for the effect. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 106, 51-56.	2.0	586
22	Photoelectrochemical information storage using an azobenzene derivative. Nature, 1990, 347, 658-660.	13.7	565
23	Photocatalytic activity and photoinduced hydrophilicity of titanium dioxide coated glass. Thin Solid Films, 1999, 351, 260-263.	0.8	538
24	Methanogenesis facilitated by electric syntrophy via (semi)conductive ironâ€oxide minerals. Environmental Microbiology, 2012, 14, 1646-1654.	1.8	516
25	Microbial interspecies electron transfer via electric currents through conductive minerals. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10042-10046.	3.3	505
26	Mechanisms of pH-Dependent Activity for Water Oxidation to Molecular Oxygen by MnO₂ Electrocatalysts. Journal of the American Chemical Society, 2012, 134, 1519-1527.	6.6	476
27	Efficient visible light-sensitive photocatalysts: Grafting Cu(II) ions onto TiO2 and WO3 photocatalysts. Chemical Physics Letters, 2008, 457, 202-205.	1.2	468
28	Quantitative Evaluation of the Photoinduced Hydrophilic Conversion Properties of TiO2Thin Film Surfaces by the Reciprocal of Contact Angle. Journal of Physical Chemistry B, 2003, 107, 1028-1035.	1.2	459
29	Photochromism induced in an electrolytically pretreated Mo03 thin film by visible light. Nature, 1992, 355, 624-626.	13.7	457
30	Kinetics of Photocatalytic Reactions under Extremely Low-Intensity UV Illumination on Titanium Dioxide Thin Films. Journal of Physical Chemistry A, 1997, 101, 8057-8062.	1.1	449
31	Electrochemical Reduction of Carbon Dioxide on Various Metal Electrodes in Lowâ€Temperature Aqueous â€‰KHCOâ€‰3 Media. Journal of the Electrochemical Society, 1990, 137, 1772-1778.	1.3	438
32	Control of Charge-Transfer-Induced Spin Transition Temperature on Cobaltâ^'Iron Prussian Blue Analogues. Inorganic Chemistry, 2002, 41, 678-684.	1.9	430
33	Rate enhancement of bacterial extracellular electron transport involves bound flavin semiquinones. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7856-7861.	3.3	402
34	An efficient TiO2 thin-film photocatalyst: photocatalytic properties in gas-phase acetaldehyde degradation. Journal of Photochemistry and Photobiology A: Chemistry, 1996, 98, 79-86.	2.0	400
35	Allâ€Polymer Solar Cells from Perylene Diimide Based Copolymers: Material Design and Phase Separation Control. Angewandte Chemie - International Edition, 2011, 50, 2799-2803.	7.2	398
36	Visible Light-Sensitive Cu(II)-Grafted TiO₂ Photocatalysts: Activities and X-ray Absorption Fine Structure Analyses. Journal of Physical Chemistry C, 2009, 113, 10761-10766.	1.5	393

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37	Hybrid Cu_xO/TiO₂ Nanocomposites As Risk-Reduction Materials in Indoor Environments. ACS Nano, 2012, 6, 1609-1618.	7.3	387
38	Self-Supporting Oxygen Reduction Electrocatalysts Made from a Nitrogen-Rich Network Polymer. Journal of the American Chemical Society, 2012, 134, 19528-19531.	6.6	370
39	A High-Spin Cyanide-Bridged Mn9W6Cluster (S=39/2) with a Full-Capped Cubane Structure. Journal of the American Chemical Society, 2000, 122, 2952-2953.	6.6	367
40	An Efficient Visible-Light-Sensitive Fe(III)-Grafted TiO₂ Photocatalyst. Journal of Physical Chemistry C, 2010, 114, 16481-16487.	1.5	344
41	Humidity-induced magnetization and magnetic pole inversion in a cyano-bridged metal assembly. Nature Materials, 2004, 3, 857-861.	13.3	342
42	Photoinduced Long-Range Magnetic Ordering of a Cobaltâ˜Iron Cyanide. Inorganic Chemistry, 1999, 38, 4405-4412.	1.9	338
43	Electrochemical Behavior of Highly Conductive Boronâ€Doped Diamond Electrodes for Oxygen Reduction in Alkaline Solution. Journal of the Electrochemical Society, 1998, 145, 1870-1876.	1.3	324
44	Enhancement of the Photoinduced Hydrophilic Conversion Rate of TiO2Film Electrode Surfaces by Anodic Polarization. Journal of Physical Chemistry B, 2001, 105, 3023-3026.	1.2	324
45	Preparation of hard super-hydrophobic films with visible light transmission. Thin Solid Films, 2000, 376, 140-143.	0.8	323
46	Design and Preparation of a Novel Magnet Exhibiting Two Compensation Temperatures Based on Molecular Field Theory. Physical Review Letters, 1999, 82, 1285-1288.	2.9	321
47	Giant Coercive Field of Nanometer- Sized Iron Oxide. Advanced Materials, 2004, 16, 48-51.	11.1	308
48	Inhibition of Charge Disproportionation of MnO₂ Electrocatalysts for Efficient Water Oxidation under Neutral Conditions. Journal of the American Chemical Society, 2012, 134, 18153-18156.	6.6	306
49	Bactericidal Activity of Copper-Deposited TiO2 Thin Film under Weak UV Light Illumination. Environmental Science & Technology, 2003, 37, 4785-4789.	4.6	299
50	Effect of Ultrasonic Treatment on Highly Hydrophilic TiO2Surfaces. Langmuir, 1998, 14, 5918-5920.	1.6	297
51	First Observation of Phase Transformation of All Four Fe₂O₃Phases (Î³ â†' Îµ â†' Î² â†') Tj ETQq1 1 0.78431	6.6	293
52	Platinum-modified covalent triazine frameworks hybridized with carbon nanoparticles as methanol-tolerant oxygen reduction electrocatalysts. Nature Communications, 2014, 5, 5040.	5.8	289
53	Conduction Band Energy Level Control of Titanium Dioxide: Toward an Efficient Visible-Light-Sensitive Photocatalyst. Journal of the American Chemical Society, 2010, 132, 6898-6899.	6.6	282
54	Synthesis and Photovoltaic Properties of Diketopyrrolopyrrole-Based Donorâ˜Acceptor Copolymers. Chemistry of Materials, 2009, 21, 4055-4061.	3.2	281

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55	In Situ CO₂-Emission Assisted Synthesis of Molybdenum Carbonitride Nanomaterial as Hydrogen Evolution Electrocatalyst. Journal of the American Chemical Society, 2015, 137, 110-113.	6.6	278
56	Efficient Charge Collection with ZnO Nanorod Array in Hybrid Photovoltaic Devices. Journal of Physical Chemistry C, 2007, 111, 7218-7223.	1.5	271
57	Tailoring organic heterojunction interfaces in bilayer polymer photovoltaic devices. Nature Materials, 2011, 10, 450-455.	13.3	271
58	Magnetic properties of mixed ferro-ferrimagnets composed of Prussian blue analogs. Physical Review B, 1997, 56, 11642-11652.	1.1	270
59	Energy-Level Matching of Fe(III) Ions Grafted at Surface and Doped in Bulk for Efficient Visible-Light Photocatalysts. Journal of the American Chemical Society, 2013, 135, 10064-10072.	6.6	263
60	Photocatalytic Degradation of Gaseous Formaldehyde Using TiO2Film. Environmental Science & Technology, 1998, 32, 3831-3833.	4.6	262
61	Cu(II) Oxide Amorphous Nanoclusters Grafted Ti³⁺ Self-Doped TiO₂: An Efficient Visible Light Photocatalyst. Chemistry of Materials, 2011, 23, 5282-5286.	3.2	262
62	Photoinduced Surface Reactions on TiO2and SrTiO3Films:Â Photocatalytic Oxidation and Photoinduced Hydrophilicity. Chemistry of Materials, 2000, 12, 3-5.	3.2	257
63	Photoinduced Magnetization in Copper Octacyanomolybdate. Journal of the American Chemical Society, 2006, 128, 270-277.	6.6	257
64	Coexistence of Ferroelectricity and Ferromagnetism in a Rubidium Manganese Hexacyanoferrate. Angewandte Chemie - International Edition, 2007, 46, 3238-3241.	7.2	251
65	Selfâ€Organized Buffer Layers in Organic Solar Cells. Advanced Materials, 2008, 20, 2211-2216.	11.1	248
66	Zeta potential and photocatalytic activity of nitrogen doped TiO2 thin films. Physical Chemistry Chemical Physics, 2004, 6, 865.	1.3	239
67	Photoinduced magnetic pole inversion in a ferroâ€“ferrimagnet: (Fe0.40IIMn0.60II)1.5CrIII(CN)6. Applied Physics Letters, 1997, 70, 1040-1042.	1.5	237
68	Photoinduced Magnetization in a Two-Dimensional Cobalt Octacyanotungstate. Journal of the American Chemical Society, 2003, 125, 9240-9241.	6.6	237
69	Copperâ€Modified Covalent Triazine Frameworks as Nonâ€Nobleâ€Metal Electrocatalysts for Oxygen Reduction. Angewandte Chemie - International Edition, 2015, 54, 11068-11072.	7.2	237
70	Synthesis of All-Conjugated Diblock Copolymers by Quasi-Living Polymerization and Observation of Their Microphase Separation. Journal of the American Chemical Society, 2008, 130, 7812-7813.	6.6	235
71	Photokilling of Malignant Cells with Ultrafine TiO2Powder. Bulletin of the Chemical Society of Japan, 1991, 64, 1268-1273.	2.0	228
72	Nickelâ€Nitrogenâ€Modified Graphene: An Efficient Electrocatalyst for the Reduction of Carbon Dioxide to Carbon Monoxide. Small, 2016, 12, 6083-6089.	5.2	228

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73	Synthesis and Photovoltaic Properties of a Novel Low Band Gap Polymer Based on N-Substituted Dithieno[3,2-b:2â€²,3â€²-d]pyrrole. Macromolecules, 2008, 41, 8302-8305.	2.2	226
74	Synthesis of a metal oxide with a room-temperature photoreversible phase transition. Nature Chemistry, 2010, 2, 539-545.	6.6	221
75	The effect of SiO2 addition in super-hydrophilic property of TiO2 photocatalyst. Journal of Materials Science, 1999, 34, 2569-2574.	1.7	219
76	Preparation of Transparent TiO2Thin Film Photocatalyst and Its Photocatalytic Activity. Chemistry Letters, 1995, 24, 841-842.	0.7	218
77	Autoxidation of Acetaldehyde Initiated by TiO2Photocatalysis under Weak UV Illumination. Journal of Physical Chemistry B, 1998, 102, 2699-2704.	1.2	216
78	Reversible wettability control of TiO 2 surface by light irradiation. Surface Science, 2002, 511, 401-407.	0.8	197
79	Visible-Light-Driven Cu(II)â^'(Sr_{1â^'y}Na_y)(Ti_{1â^'x}Mo_x)O₃ Photocatalysts Based on Conduction Band Control and Surface Ion Modification. Journal of the American Chemical Society, 2010, 132, 15259-15267.	6.6	197
80	Control of Miscibility and Aggregation Via the Material Design and Coating Process for Highâ€Performance Polymer Blend Solar Cells. Advanced Materials, 2013, 25, 6991-6996.	11.1	197
81	Photocatalytic reactions of hydrocarbons and fossil fuels with water. Hydrogen production and oxidation. The Journal of Physical Chemistry, 1984, 88, 4083-4088.	2.9	195
82	Selfâ€Constructed Electrically Conductive Bacterial Networks. Angewandte Chemie - International Edition, 2009, 48, 508-511.	7.2	194
83	Visible-light induced hydrophilicity on nitrogen-substituted titanium dioxide films. Chemical Communications, 2003, , 1298.	2.2	188
84	Photokilling of T-24 human bladder cancer cells with titanium dioxide. British Journal of Cancer, 1994, 70, 1107-1111.	2.9	186
85	Morphological Stabilization of Polymer Photovoltaic Cells by Using Cross-Linkable Poly(3-(5-hexenyl)thiophene). Macromolecules, 2009, 42, 1610-1618.	2.2	185
86	A Ferroelectric Ferromagnet Composed of (PLZT)x(BiFeO3)1-x Solid Solution. Advanced Materials, 2001, 13, 487-490.	11.1	182
87	Adhesion and sliding of wet snow on a super-hydrophobic surface with hydrophilic channels. Journal of Materials Science, 2004, 39, 547-555.	1.7	179
88	Design of All-Inorganic Molecular-Based Photocatalysts Sensitive to Visible Light:â€‰Ti(IV)â^'Oâ^'Ce(III) Bimetallic Assemblies on Mesoporous Silica. Journal of the American Chemical Society, 2007, 129, 9596-9597.	6.6	178
89	Diketopyrrolopyrrole-Based Semiconducting Polymer for Photovoltaic Device with Photocurrent Response Wavelengths up to 1.1 Î¼m. Macromolecules, 2010, 43, 821-826.	2.2	178
90	Binary cooperative complementary nanoscale interfacial materials. Pure and Applied Chemistry, 2000, 72, 73-81.	0.9	176

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91	Uptake of self-secreted flavins as bound cofactors for extracellular electron transfer in Geobacter species. Energy and Environmental Science, 2014, 7, 1357-1361.	15.6	176
92	Photoinduced Magnetization with a High Curie Temperature and a Large Coercive Field in a Cyano-Bridged Cobaltâ^'Tungstate Bimetallic Assembly. Journal of the American Chemical Society, 2006, 128, 5320-5321.	6.6	170
93	Kinetic Analysis of the Photocatalytic Degradation of Gas-Phase 2-Propanol under Mass Transport-Limited Conditions with a TiO2 Film Photocatalyst. Journal of Physical Chemistry B, 1998, 102, 1724-1729.	1.2	169
94	Generation and Deactivation Processes of Superoxide Formed on TiO2Film Illuminated by Very Weak UV Light in Air or Water. Journal of Physical Chemistry B, 2000, 104, 4934-4938.	1.2	169
95	Design of a Novel Magnet Exhibiting Photoinduced Magnetic Pole Inversion Based on Molecular Field Theory. Journal of the American Chemical Society, 1999, 121, 10591-10597.	6.6	168
96	Respiratory interactions of soil bacteria with (semi)conductive ironâ€oxide minerals. Environmental Microbiology, 2010, 12, 3114-3123.	1.8	167
97	Highly efficient antiviral and antibacterial activities of solid-state cuprous compounds. Journal of Hazardous Materials, 2012, 235-236, 265-270.	6.5	167
98	Observation of an Fe(II) Spin-Crossover in a Cesium Iron Hexacyanochromate. Journal of the American Chemical Society, 2005, 127, 8590-8591.	6.6	165
99	Efficiency enhancement of polymer photovoltaic devices hybridized with ZnO nanorod arrays by the introduction of a vanadium oxide buffer layer. Applied Physics Letters, 2008, 93, .	1.5	164
100	TiO2-mediated photodegradation of liquid and solid organic compounds. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 137, 53-62.	2.0	161
101	Reversible Photoinduced Magnetization. Journal of the Electrochemical Society, 1997, 144, L11-L13.	1.3	156
102	Temperature- and photo-induced phase transition in rubidium manganese hexacyanoferrate. Coordination Chemistry Reviews, 2005, 249, 1830-1840.	9.5	156
103	Multi-heme cytochromes provide a pathway for survival in energy-limited environments. Science Advances, 2018, 4, eaao5682.	4.7	155
104	Efficient electrochemical reduction of nitrate to ammonia using conductive diamond film electrodes. Journal of Electroanalytical Chemistry, 1993, 347, 409-415.	1.9	154
105	One-shot-laser-pulse-induced demagnetization in rubidium manganese hexacyanoferrate. Applied Physics Letters, 2003, 82, 1245-1247.	1.5	154
106	Disruption of the Putative Cell Surface Polysaccharide Biosynthesis Gene SO3177 in Shewanella oneidensis MR-1 Enhances Adhesion to Electrodes and Current Generation in Microbial Fuel Cells. Applied and Environmental Microbiology, 2010, 76, 4151-4157.	1.4	153
107	Visible Light Sensitive Photocatalyst, Delafossite Structured Î±-AgGaO2. Journal of Physical Chemistry B, 2006, 110, 23274-23278.	1.2	152
108	Regulating proton-coupled electron transfer for efficient water splitting by manganese oxides at neutral pH. Nature Communications, 2014, 5, 4256.	5.8	151

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109	Transparent and Colored Magnetic Thin Films:Â (FeIIxCrII1-x)1.5[CrIII(CN)6]. Journal of the American Chemical Society, 1998, 120, 5349-5350.	6.6	150
110	Photoinduced Hydrophilic Conversion of TiO2/WO3 Layered Thin Films. Chemistry of Materials, 2002, 14, 4714-4720.	3.2	150
111	A Large Thermal Hysteresis Loop Produced by a Charge-Transfer Phase Transition in a Rubidium Manganese Hexacyanoferrate. Inorganic Chemistry, 2004, 43, 5231-5236.	1.9	150
112	Efficient Bifunctional Fe/C/N Electrocatalysts for Oxygen Reduction and Evolution Reaction. Journal of Physical Chemistry C, 2015, 119, 2583-2588.	1.5	150
113	Heterogeneous photocatalytic reactions of organic acids and water. New reaction paths besides the photo-Kolbe reaction. The Journal of Physical Chemistry, 1984, 88, 2344-2350.	2.9	147
114	Crystal Structure and Magnetic Properties of an Octacyanometalate-Based Three-Dimensional Tungstate(V)â^'Manganese(II) Bimetallic Assembly. Inorganic Chemistry, 2000, 39, 5095-5101.	1.9	146
115	Photo-magnetic and magneto-optical effects of functionalized metal polycyanides. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2001, 2, 71-88.	5.6	145
116	Photocatalytic inactivation of influenza virus by titanium dioxide thin film. Photochemical and Photobiological Sciences, 2012, 11, 1293-1298.	1.6	141
117	Cell-secreted Flavins Bound to Membrane Cytochromes Dictate Electron Transfer Reactions to Surfaces with Diverse Charge and pH. Scientific Reports, 2014, 4, 5628.	1.6	141
118	Time-Dependent Behavior of Active Oxygen Species Formed on Photoirradiated TiO2 Films in Air. Journal of Physical Chemistry B, 1998, 102, 2117-2120.	1.2	140
119	Photocatalysis by Calcium Hydroxyapatite Modified with Ti(IV):Â Albumin Decomposition and Bactericidal Effect. Langmuir, 2003, 19, 3428-3431.	1.6	140
120	Photofunctional Vesicles Containing Prussian Blue and Azobenzene. Journal of the American Chemical Society, 1999, 121, 3745-3750.	6.6	138
121	Visible-Light-Sensitive Photocatalysts: Nanocluster-Grafted Titanium Dioxide for Indoor Environmental Remediation. Journal of Physical Chemistry Letters, 2016, 7, 75-84.	2.1	138
122	Highly Efficient TiO2Film Photocatalyst. Degradation of Gaseous Acetaldehyde. Chemistry Letters, 1994, 23, 723-726.	0.7	137
123	Analyses of Current-Generating Mechanisms of Shewanella loihica PV-4 and Shewanella oneidensis MR-1 in Microbial Fuel Cells. Applied and Environmental Microbiology, 2009, 75, 7674-7681.	1.4	136
124	Photochemical diode model of Pt/TiO2 particle and its photocatalytic activity. Chemical Physics Letters, 1982, 88, 50-54.	1.2	135
125	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 19, 71-76.	1.1	135
126	Oxygenâ€Tolerant Electrodes with Platinumâ€Loaded Covalent Triazine Frameworks for the Hydrogen Oxidation Reaction. Angewandte Chemie - International Edition, 2016, 55, 13184-13188.	7.2	134

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127	Hydrogen Evolution by Tungsten Carbonitride Nanoelectrocatalysts Synthesized by the Formation of a Tungsten Acid/Polymer Hybrid Inâ€…Situ. Angewandte Chemie - International Edition, 2013, 52, 13638-13641.	7.2	133
128	Threeâ€Dimensional Conductive Nanowire Networks for Maximizing Anode Performance in Microbial Fuel Cells. Chemistry - A European Journal, 2010, 16, 4982-4985.	1.7	132
129	Electrochemical Behavior of Highly Conductive Boronâ€Doped Diamond Electrodes for Oxygen Reduction in Acid Solution. Journal of the Electrochemical Society, 1999, 146, 1081-1087.	1.3	131
130	Synthesis and Alcohol Vapor Sensitivity of a Ferromagnetic Copperâ^'Tungsten Bimetallic Assembly. Journal of the American Chemical Society, 2007, 129, 3084-3085.	6.6	130
131	Fullerene attached all-semiconducting diblock copolymers for stable single-component polymer solar cells. Chemical Communications, 2010, 46, 6723.	2.2	130
132	Electronic Absorption Spectra and Redox Properties of Câ€…Type Cytochromes in Living Microbes. Angewandte Chemie - International Edition, 2009, 48, 1606-1608.	7.2	128
133	In-vivo identification of direct electron transfer from Shewanella oneidensis MR-1 to electrodes via outer-membrane OmcAâ€“MtrCAB protein complexes. Electrochimica Acta, 2011, 56, 5526-5531.	2.6	128
134	Ag+- and Pb2+-Doped SrTiO3Photocatalysts. A Correlation Between Band Structure and Photocatalytic Activity. Journal of Physical Chemistry C, 2007, 111, 1847-1852.	1.5	126
135	Study of the Photochromic Properties of Amorphous MoO3 Films Using Raman Microscopy. The Journal of Physical Chemistry, 1995, 99, 16383-16388.	2.9	125
136	Observation of Spin Transition in an Octahedrally Coordinated Manganese(II) Compound. Journal of Physical Chemistry B, 2002, 106, 2423-2425.	1.2	125
137	Synthesis and Photovoltaic Properties of Donorâ^'Acceptor Copolymers Based on 5,8-Dithien-2-yl-2,3-diphenylquinoxaline. Chemistry of Materials, 2010, 22, 4890-4895.	3.2	125
138	Photodecomposition of a Langmuirâ^'Blodgett Film of Stearic Acid on TiO2Film Observed by in Situ Atomic Force Microscopy and FT-IR. Journal of Physical Chemistry B, 1997, 101, 11000-11003.	1.2	124
139	Synthesis, Crystal Structures, and Magnetic Properties of Two Cyano-Bridged Tungstate(V)â^'Manganese(II) Bimetallic Magnets. Inorganic Chemistry, 2003, 42, 1848-1856.	1.9	124
140	Photoinduced Amphiphilic Surface on Polycrystalline Anatase TiO2Thin Films. Langmuir, 2000, 16, 7048-7050.	1.6	123
141	Electrochemical Synthesis, Crystal Structure, and Photomagnetic Properties of a Three-Dimensional Cyano-Bridged Copperâ^'Molybdenum Complex. Journal of the American Chemical Society, 2005, 127, 3864-3869.	6.6	123
142	Cation-Driven Electron Transfer Involving a Spin Transition at Room Temperature in a Cobalt Iron Cyanide Thin Film. Journal of Physical Chemistry B, 1997, 101, 3903-3905.	1.2	121
143	Magnetooptical Effects of Room Temperature Molecular-Based Magnetic Films Composed of Vanadium Hexacyanochromates. Journal of Physical Chemistry B, 2000, 104, 9365-9367.	1.2	121
144	Hydrophilicity on carbon-doped TiO2 thin films under visible light. Thin Solid Films, 2006, 510, 21-25.	0.8	121

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145	Enhanced Photoactivity with Nanocluster-Grafted Titanium Dioxide Photocatalysts. ACS Nano, 2014, 8, 7229-7238.	7.3	120
146	Photocatalytic Reactions Involving Radical Chain Reactions Using Microelectrodesâ€. Journal of Physical Chemistry B, 1997, 101, 2617-2620.	1.2	117
147	Design and Synthesis of TiO2 Nanorod Assemblies and Their Application for Photovoltaic Devices. Chemistry of Materials, 2006, 18, 5080-5087.	3.2	117
148	Electrocatalytic Reduction of Nitrate to Nitrous Oxide by a Copper-Modified Covalent Triazine Framework. Journal of Physical Chemistry C, 2016, 120, 15729-15734.	1.5	117
149	Photo-induced magnetization in copper(II) octacyanomolybdate(IV). Synthetic Metals, 2001, 122, 523-527.	2.1	116
150	Visible Light-Induced Degradation of Ethylene Glycol on Nitrogen-Doped TiO2Powders. Journal of Physical Chemistry B, 2006, 110, 13158-13165.	1.2	116
151	Flavin Redox Bifurcation as a Mechanism for Controlling the Direction of Electron Flow during Extracellular Electron Transfer. Angewandte Chemie - International Edition, 2014, 53, 10988-10991.	7.2	115
152	Comparison of the antiviral effect of solid-state copper and silver compounds. Journal of Hazardous Materials, 2016, 312, 1-7.	6.5	115
153	Nonlinear Magnetooptical Effects Caused by Piezoelectric Ferromagnetism inF4Ì„3m-type Prussian Blue Analogues. Journal of the American Chemical Society, 2005, 127, 11604-11605.	6.6	113
154	Nanostructure Formation in Poly(3-hexylthiophene-block-3-(2-ethylhexyl)thiophene)s. Macromolecules, 2009, 42, 7008-7015.	2.2	113
155	Enhanced photocatalytic activities of Ta, N co-doped TiO2 thin films under visible light. Chemical Physics, 2007, 339, 124-132.	0.9	112
156	New aspects of electron transfer on semiconductor surface: dye-sensitization system. The Journal of Physical Chemistry, 1990, 94, 3040-3045.	2.9	110
157	Design of novel magnets using Prussian blue analogues. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 2977-3003.	1.6	109
158	Introduction of a conjugated side chain as an effective approach to improving donorâ€“acceptor photovoltaic polymers. Energy and Environmental Science, 2012, 5, 9756.	15.6	108
159	Manganese(II) Octacyanotungstate(V)-Based Magnet Containing a Noncoordinated Aromatic Molecule. Journal of the American Chemical Society, 2004, 126, 5024-5025.	6.6	107
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