

Porun Liu

List of Publications by Year in descending order

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papers

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times ranked

15604
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#	ARTICLE	IF	CITATIONS
1	Ultrasensitive NO ₂ Gas Sensors Based on Layered MoO_3 Nanoribbons. <i>Advanced Materials Technologies</i> , 2022, 7, 2100579.	3.0	13
2	Ru(bpy) ₃ ²⁺ -sensitized {001} facets LiCoO ₂ nanosheets catalyzed CO ₂ reduction reaction with 100% carbonaceous products. <i>Nano Research</i> , 2022, 15, 1061-1068.	5.8	24
3	Interpolation between W Dopant and Co Vacancy in CoOOH for Enhanced Oxygen Evolution Catalysis. <i>Advanced Materials</i> , 2022, 34, e2104667.	11.1	45
4	hcp-phased Ni nanoparticles with generic catalytic hydrogenation activities toward different functional groups. <i>Science China Materials</i> , 2022, 65, 1252-1261.	3.5	5
5	Scalable Spray Drying Production of Amorphous V ₂ O ₅ EGO 2D Heterostructured Xerogels for High-Rate and High-Capacity Aqueous Zinc Ion Batteries. <i>Small</i> , 2022, 18, e2105761.	5.2	24
6	TMN ₄ complex embedded graphene as efficient and selective electrocatalysts for chlorine evolution reactions. <i>Journal of Electroanalytical Chemistry</i> , 2022, 907, 116071.	1.9	16
7	As_2 -Arsenene Monolayer: A Promising Electrocatalyst for Anodic Chlorine Evolution Reaction. <i>Catalysts</i> , 2022, 12, 296.	1.6	3
8	Hydrogen Spillover-Bridged Volmer/Tafel Processes Enabling Ampere-Level Current Density Alkaline Hydrogen Evolution Reaction under Low Overpotential. <i>Journal of the American Chemical Society</i> , 2022, 144, 6028-6039.	6.6	179
9	Low-Dimensional Metal-Organic Frameworks with High Activity and Selectivity toward Electrocatalytic Chlorine Evolution Reactions. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7066-7075.	1.5	20
10	Atomically-dispersed Mn-(N-C ₂) ₂ (O-C ₂) ₂ sites on carbon for efficient oxygen reduction reaction. <i>Energy Storage Materials</i> , 2022, 49, 209-218.	9.5	26
11	Operando Converting BiOCl into Bi ₂ O ₂ (CO ₃) _x Cl _y for Efficient Electrocatalytic Reduction of Carbon Dioxide to Formate. <i>Nano-Micro Letters</i> , 2022, 14, 121.	14.4	15
12	Fabrication of High-Quality CsBi ₃ I ₁₀ Films via a Gas-Assisted Approach for Efficient Lead-Free Perovskite Solar Cells. <i>Energy Technology</i> , 2022, 10, .	1.8	4
13	Scalable and controllable fabrication of CNTs improved yolk-shelled Si anodes with advanced in operando mechanical quantification. <i>Energy and Environmental Science</i> , 2021, 14, 3502-3509.	15.6	45
14	Portable wastewater treatment system based on synergistic photocatalytic and persulphate degradation under visible light. <i>Science China Materials</i> , 2021, 64, 1952-1963.	3.5	6
15	W ₁₈ O ₄₉ nanowires-graphene nanocomposite for asymmetric supercapacitors employing AlCl ₃ aqueous electrolyte. <i>Chemical Engineering Journal</i> , 2021, 409, 128216.	6.6	72
16	Anchoring Single Copper Atoms to Microporous Carbon Spheres as High-Performance Electrocatalyst for Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2104864.	7.8	115
17	Distinctive O-O bond formation pathways at different electrode potentials. <i>Matter</i> , 2021, 4, 2615-2617.	5.0	1
18	Molten salt assisted fabrication of Fe@FeSA-N-C oxygen electrocatalyst for high performance Zn-air battery. <i>Journal of Energy Chemistry</i> , 2021, 61, 612-621.	7.1	33

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19	Real-time on-site monitoring of soil ammonia emissions using membrane permeation-based sensing probe. <i>Environmental Pollution</i> , 2021, 289, 117850.	3.7	5
20	Rational design of metal oxide catalysts for electrocatalytic water splitting. <i>Nanoscale</i> , 2021, 13, 20324-20353.	2.8	38
21	2D Electrocatalysts for Converting Earth-Abundant Simple Molecules into Value-Added Commodity Chemicals: Recent Progress and Perspectives. <i>Advanced Materials</i> , 2020, 32, e1904870.	11.1	76
22	Cobalt-doped Mn ₃ O ₄ nanocrystals embedded in graphene nanosheets as a high-performance bifunctional oxygen electrocatalyst for rechargeable Zn-Air batteries. <i>Green Energy and Environment</i> , 2020, 5, 499-505.	4.7	59
23	Fast and cost-effective room temperature synthesis of high quality graphene oxide with excellent structural intactness. <i>Sustainable Materials and Technologies</i> , 2020, 25, e00198.	1.7	4
24	Effects of compositional engineering and surface passivation on the properties of halide perovskites: a theoretical understanding. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19718-19724.	1.3	11
25	Perovskite Microcrystals with Intercalated Monolayer MoS ₂ Nanosheets as Advanced Photocatalyst for Solar-Powered Hydrogen Generation. <i>Matter</i> , 2020, 3, 935-949.	5.0	81
26	Selective Growth of High-Density Anatase {101} Twin Boundaries on High-Energy {001} Facets. <i>Small Structures</i> , 2020, 1, 2000025.	6.9	16
27	Coexisting Single-Atomic Fe and Ni Sites on Hierarchically Ordered Porous Carbon as a Highly Efficient ORR Electrocatalyst. <i>Advanced Materials</i> , 2020, 32, e2004670.	11.1	404
28	Guided-formation of a favorable interface for stabilizing Na metal solid-state batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7828-7835.	5.2	74
29	Transition Metal (Fe, Co, Mn) Boosting the Lithium Storage of the Multishelled NiO Anode. <i>Energy Technology</i> , 2020, 8, 2000008.	1.8	7
30	How Cobalt and Iron Doping Determine the Oxygen Evolution Electrocatalytic Activity of NiOOH. <i>Cell Reports Physical Science</i> , 2020, 1, 100077.	2.8	35
31	Phosphorus and Sulfur Co-Doped Cobaltous Oxide Synthesized by an Inorganic-Assisted Method: Reaction Mechanism and Electrocatalytic Application. <i>ChemPlusChem</i> , 2020, 85, 1602-1611.	1.3	4
32	Manganese oxides transformed from orthorhombic phase to birnessite with enhanced electrochemical performance as supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3746-3753.	5.2	22
33	An inverted Bi ₃ /PCBM binary quasi-bulk heterojunction solar cell with a power conversion efficiency of 1.50%. <i>Nano Energy</i> , 2020, 73, 104799.	8.2	17
34	The role of electrolyte acid concentration in the electrochemical exfoliation of graphite: Mechanism and synthesis of electrochemical graphene oxide. <i>Nano Materials Science</i> , 2019, 1, 215-223.	3.9	35
35	A Hollow-Shell Structured V ₂ O ₅ Electrode-Based Symmetric Full Li-ion Battery with Highest Capacity. <i>Advanced Energy Materials</i> , 2019, 9, 1900909.	10.2	51
36	Preparation of 2-nm tungsten oxide nanowires based on two-phase strategy and their ultra-sensitive NO ₂ gas sensing properties. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 311-317.	5.0	12

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37	Theoretical Understanding of Electrocatalytic Hydrogen Production Performance by Low-Dimensional Metal-Organic Frameworks on the Basis of Resonant Charge-Transfer Mechanisms. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6955-6961.	2.1	15
38	Scalable Production of Graphene Oxide Using a 3D-Printed Packed-Bed Electrochemical Reactor with a Boron-Doped Diamond Electrode. <i>ACS Applied Nano Materials</i> , 2019, 2, 867-878.	2.4	41
39	Enhancement of photocatalytic H ₂ production by metal complex electrostatic adsorption on TiO ₂ (B) nanosheets. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3797-3804.	5.2	11
40	Encapsulation of Plasmid DNA by Nanoscale Metal-Organic Frameworks for Efficient Gene Transportation and Expression. <i>Advanced Materials</i> , 2019, 31, e1901570.	11.1	130
41	Design of three-dimensional hierarchical TiO ₂ /SrTiO ₃ heterostructures towards selective CO ₂ photoreduction. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1667-1674.	3.0	33
42	A Yolk-Shell Structured Silicon Anode with Superior Conductivity and High Tap Density for Full Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8824-8828.	7.2	242
43	A Yolk-Shell Structured Silicon Anode with Superior Conductivity and High Tap Density for Full Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2019, 131, 8916-8920.	1.6	18
44	Room temperature production of graphene oxide with thermally labile oxygen functional groups for improved lithium ion battery fabrication and performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9646-9655.	5.2	27
45	Thickness Tunable Wedding-Cake-like MoS ₂ Flakes for High-Performance Optoelectronics. <i>ACS Nano</i> , 2019, 13, 3649-3658.	7.3	75
46	Sulfur-doped cobalt oxide nanowires as efficient electrocatalysts for iodine reduction reaction. <i>Journal of Alloys and Compounds</i> , 2019, 772, 80-91.	2.8	11
47	Epitaxial Growth of Two-Dimensional Metal-Semiconductor Transition-Metal Dichalcogenide Vertical Stacks (VSe ₂ /MX ₂) and Their Band Alignments. <i>ACS Nano</i> , 2019, 13, 885-893.	7.3	102
48	Rapid-Heating-Triggered <i>in Situ</i> Solid-State Transformation of Amorphous TiO ₂ Nanotubes into Well-Defined Anatase Nanocrystals. <i>Crystal Growth and Design</i> , 2019, 19, 1086-1094.	1.4	4
49	Wet-chemistry grafted active pyridinic nitrogen sites on holey graphene edges as high performance ORR electrocatalyst for Zn-Air Batteries. <i>Materials Today Energy</i> , 2019, 11, 24-29.	2.5	23
50	Correlating electrocatalytic activities with sulfur species on sulfur-doped cobalt oxide. <i>Materials Letters</i> , 2019, 236, 614-617.	1.3	2
51	Tungsten-Doped Nanocrystalline V ₆ O ₁₃ Nanoparticles as Low-Cost and High-Performance Electrodes for Energy Storage Devices. <i>Energy Technology</i> , 2019, 7, 1801041.	1.8	10
52	Two-Step Activated Carbon Cloth with Oxygen-Rich Functional Groups as a High-Performance Additive-Free Air Electrode for Flexible Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1802936.	10.2	170
53	Space-confined growth of monolayer ReSe ₂ under a graphene layer on Au foils. <i>Nano Research</i> , 2019, 12, 149-157.	5.8	22
54	Notable hydrogen production on LaxCa _{1-x} CoO ₃ perovskites via two-step thermochemical water splitting. <i>Journal of Materials Science</i> , 2018, 53, 6796-6806.	1.7	30

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55	Enhanced Thermochemical H ₂ Production on Ca-Doped Lanthanum Manganite Perovskites Through Optimizing the Dopant Level and Re-oxidation Temperature. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 431-439.	1.5	13
56	Manipulating the Architecture of Atomically Thin Transition Metal (Hydr)oxides for Enhanced Oxygen Evolution Catalysis. <i>ACS Nano</i> , 2018, 12, 1878-1886.	7.3	57
57	Electrolyte Effect on Electrocatalytic Hydrogen Evolution Performance of One-Dimensional Cobalt-Dithiolene Metal-Organic Frameworks: A Theoretical Perspective. <i>ACS Applied Energy Materials</i> , 2018, 1, 1688-1694.	2.5	27
58	Application of chemical vapor-deposited monolayer ReSe ₂ in the electrocatalytic hydrogen evolution reaction. <i>Nano Research</i> , 2018, 11, 1787-1797.	5.8	71
59	Remarkably enhanced water splitting activity of nickel foam due to simple immersion in a ferric nitrate solution. <i>Nano Research</i> , 2018, 11, 3959-3971.	5.8	88
60	Correlation between Mechanical Strength of Amorphous TiO ₂ Nanotubes and Their Solid State Crystallization Pathways. <i>ChemistrySelect</i> , 2018, 3, 10711-10716.	0.7	0
61	Ultrathin Nitrogen-Doped Holey Carbon@Graphene Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions in Alkaline and Acidic Media. <i>Angewandte Chemie</i> , 2018, 130, 16749-16753.	1.6	49
62	Ultrathin Nitrogen-Doped Holey Carbon@Graphene Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions in Alkaline and Acidic Media. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16511-16515.	7.2	261
63	3D graphene aerogels-supported Ag and Ag@Ag ₃ PO ₄ heterostructure for the efficient adsorption-photocatalysis capture of different dye pollutants in water. <i>Materials Research Bulletin</i> , 2018, 105, 334-341.	2.7	47
64	Ultrathin Transition Metal Dichalcogenide/3d Metal Hydroxide Hybridized Nanosheets to Enhance Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2018, 30, e1801171.	11.1	180
65	Enhanced Thermochemical Water Splitting through Formation of Oxygen Vacancy in La _{0.6} Sr _{0.4} BO ₃ (B=Cr, Mn, Fe, Co, and Ni) Perovskites. <i>ChemPlusChem</i> , 2018, 83, 924-928.	1.3	19
66	Sandwich-Like Reduced Graphene Oxide/Carbon Black/Amorphous Cobalt Borate Nanocomposites as Bifunctional Cathode Electrocatalyst in Rechargeable Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1801495.	10.2	65
67	Carbon-encapsulated heazlewoodite nanoparticles as highly efficient and durable electrocatalysts for oxygen evolution reactions. <i>Nano Research</i> , 2017, 10, 3522-3533.	5.8	27
68	Ca ²⁺ and Ga ³⁺ doped LaMnO ₃ perovskite as a highly efficient and stable catalyst for two-step thermochemical water splitting. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1013-1017.	2.5	37
69	Composite Yttrium-Carbonaceous Spheres Templated Multi-Shell YVO ₄ Hollow Spheres with Superior Upconversion Photoluminescence. <i>Advanced Materials</i> , 2017, 29, 1604377.	11.1	51
70	One-pot, two-step synthesis and photophysical properties of 2-(5-phenylindol-3-yl)benzimidazole derivatives. <i>RSC Advances</i> , 2017, 7, 49374-49385.	1.7	12
71	La _{1-x} Ca _x Mn _{1-y} Al _y O ₃ perovskites as efficient catalysts for two-step thermochemical water splitting in conjunction with exceptional hydrogen yields. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1079-1086.	6.9	22
72	Ni ₂ P(O)/Fe ₂ P(O) Interface Can Boost Oxygen Evolution Electrocatalysis. <i>ACS Energy Letters</i> , 2017, 2, 2257-2263.	8.8	173

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73	Strongly Coupled CoCr ₂ O ₄ /Carbon Nanosheets as High Performance Electrocatalysts for Oxygen Evolution Reaction. <i>Small</i> , 2016, 12, 2866-2871.	5.2	90
74	Controlled growth of CuO/Cu ₂ O hollow microsphere composites as efficient visible-light-active photocatalysts. <i>Applied Catalysis A: General</i> , 2016, 521, 34-41.	2.2	47
75	Functionalization of perovskite thin films with moisture-tolerant molecules. <i>Nature Energy</i> , 2016, 1, .	19.8	439
76	Multi-shelled metal oxides prepared via an anion-adsorption mechanism for lithium-ion batteries. <i>Nature Energy</i> , 2016, 1, .	19.8	352
77	One-step solid phase synthesis of a highly efficient and robust cobalt pentlandite electrocatalyst for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18314-18321.	5.2	97
78	Molecular engineering of Ni ^{II} /Co ^{II} porphyrin multilayers on reduced graphene oxide sheets as bifunctional catalysts for oxygen evolution and oxygen reduction reactions. <i>Chemical Science</i> , 2016, 7, 5640-5646.	3.7	120
79	Soft-template assisted synthesis of mesoporous CuO/Cu ₂ O composite hollow microspheres as efficient visible-light photocatalyst. <i>Materials Letters</i> , 2016, 182, 47-51.	1.3	26
80	The surface sulfur doping induced enhanced performance of cobalt catalysts in oxygen evolution reactions. <i>Chemical Communications</i> , 2016, 52, 9450-9453.	2.2	47
81	Growth and in situ transformation of TiO ₂ and HTiOF ₃ crystals on chitosan-polyvinyl alcohol co-polymer substrates under vapor phase hydrothermal conditions. <i>Nano Research</i> , 2016, 9, 745-754.	5.8	19
82	Engineered Hematite Mesoporous Single Crystals Drive Drastic Enhancement in Solar Water Splitting. <i>Nano Letters</i> , 2016, 16, 427-433.	4.5	80
83	Highly Ordered Single Crystalline Nanowire Array Assembled Three-Dimensional Nb ₃ O ₇ (OH) and Nb ₂ O ₅ Superstructures for Energy Storage and Conversion Applications. <i>ACS Nano</i> , 2016, 10, 507-514.	7.3	81
84	Controllable synthesis of mesostructures from TiO ₂ hollow to porous nanospheres with superior rate performance for lithium ion batteries. <i>Chemical Science</i> , 2016, 7, 793-798.	3.7	147
85	Switching the photocatalytic activity of g-C ₃ N ₄ by homogenous surface chemical modification with nitrogen residues and vacancies. <i>RSC Advances</i> , 2015, 5, 21430-21433.	1.7	21
86	Adsorption and oxidation of oxalic acid on anatase TiO ₂ (001) surface: A density functional theory study. <i>Journal of Colloid and Interface Science</i> , 2015, 454, 180-186.	5.0	22
87	The search for efficient electrocatalysts as counter electrode materials for dye-sensitized solar cells: mechanistic study, material screening and experimental validation. <i>NPG Asia Materials</i> , 2015, 7, e226-e226.	3.8	52
88	Improved conductivity of NdFeO ₃ through partial substitution of Nd by Ca: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29097-29102.	1.3	9
89	Photoelectrochemical determination of intrinsic kinetics of photoelectrocatalysis processes at {001} faceted anatase TiO ₂ photoanodes. <i>RSC Advances</i> , 2015, 5, 12860-12865.	1.7	17
90	Cross-linked ZnIn ₂ S ₄ /rGO composite photocatalyst for sunlight-driven photocatalytic degradation of 4-nitrophenol. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 266-273.	10.8	101

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91	An in situ vapour phase hydrothermal surface doping approach for fabrication of high performance Co ₃ O ₄ electrocatalysts with an exceptionally high S-doped active surface. Chemical Communications, 2015, 51, 5695-5697.	2.2	47
92	Nitrogen-Doped Carbon Nanodots@Nanospheres as An Efficient Electrocatalyst for Oxygen Reduction Reaction. Electrochimica Acta, 2015, 165, 7-13.	2.6	41
93	Rutile {111} Faceted TiO ₂ Film with High Ability for Selective Adsorption of Aldehyde. Journal of Physical Chemistry C, 2015, 119, 17680-17686.	1.5	7
94	A fluorescent quenching performance enhancing principle for carbon nanodot-sensitized aqueous solar cells. Nano Energy, 2015, 13, 124-130.	8.2	34
95	Thiourea sole doping reagent approach for controllable N, S co-doping of pre-synthesized large-sized carbon nanospheres as electrocatalyst for oxygen reduction reaction. Carbon, 2015, 92, 339-347.	5.4	59
96	Density Functional Studies of Stoichiometric Surfaces of Orthorhombic Hybrid Perovskite CH ₃ NH ₃ PbI ₃ . Journal of Physical Chemistry C, 2015, 119, 1136-1145.	1.5	73
97	Self-supported bimodal-pore structured nitrogen-doped carbon fiber aerogel as electrocatalyst for oxygen reduction reaction. Electrochemistry Communications, 2015, 51, 6-10.	2.3	51
98	Bottom-Up Enhancement of g-C ₃ N ₄ Photocatalytic H ₂ Evolution Utilising Disorder Inter-molecular Interactions of Precursor. International Journal of Photoenergy, 2014, 2014, 1-8.	1.4	10
99	Titania single crystals with a curved surface. Nature Communications, 2014, 5, 5355.	5.8	94
100	Structure disorder of graphitic carbon nitride induced by liquid-assisted grinding for enhanced photocatalytic conversion. RSC Advances, 2014, 4, 10676-10679.	1.7	28
101	A {0001} faceted single crystal NiS nanosheet electrocatalyst for dye-sensitized solar cells: sulfur-vacancy induced electrocatalytic activity. Chemical Communications, 2014, 50, 5569.	2.2	60
102	Directly hydrothermal growth of ultrathin MoS ₂ nanostructured films as high performance counter electrodes for dye-sensitized solar cells. RSC Advances, 2014, 4, 21277.	1.7	82
103	Hydrothermal Transformation of Dried Grass into Graphitic Carbon-Based High Performance Electrocatalyst for Oxygen Reduction Reaction. Small, 2014, 10, 3371-3378.	5.2	135
104	A self-sponsored doping approach for controllable synthesis of S and N co-doped trimodal-porous structured graphitic carbon electrocatalysts. Energy and Environmental Science, 2014, 7, 3720-3726.	15.6	198
105	Fluorine-Doped Porous Single-Crystal Rutile TiO ₂ Nanorods for Enhancing Photoelectrochemical Water Splitting. Chemistry - A European Journal, 2014, 20, 11439-11444.	1.7	58
106	Determination of Iodide via Direct Fluorescence Quenching at Nitrogen-Doped Carbon Quantum Dot Fluorophores. Environmental Science and Technology Letters, 2014, 1, 87-91.	3.9	74
107	Geometric structure of rutile titanium dioxide (111) surfaces. Physical Review B, 2014, 90, .	1.1	18
108	Anatase TiO ₂ mesocrystals with exposed (001) surface for enhanced photocatalytic decomposition capability toward gaseous styrene. Catalysis Today, 2014, 224, 216-224.	2.2	38

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109	Vapor-phase hydrothermal synthesis of rutile TiO ₂ nanostructured film with exposed pyramid-shaped (1 1 1) surface and superiorly photoelectrocatalytic performance. Journal of Colloid and Interface Science, 2014, 429, 53-61.	5.0	24
110	A highly crystalline Nb ₃ O ₇ F nanostructured photoelectrode: fabrication and photosensitisation. Journal of Materials Chemistry A, 2013, 1, 6563.	5.2	29
111	Nature of visible-light responsive fluorinated titanium dioxides. Journal of Materials Chemistry A, 2013, 1, 12948.	5.2	26
112	Rutile TiO ₂ films with 100% exposed pyramid-shaped (111) surface: photoelectron transport properties under UV and visible light irradiation. Journal of Materials Chemistry A, 2013, 1, 2646.	5.2	39
113	Vapor-Phase Hydrothermal Growth of Novel Segmentally Configured Nanotubular Crystal Structure. Small, 2013, 9, 3043-3050.	5.2	9
114	Cross-Linked g-C ₃ N ₄ /rGO Nanocomposites with Tunable Band Structure and Enhanced Visible Light Photocatalytic Activity. Small, 2013, 9, 3336-3344.	5.2	564
115	Engineering the band gap of bare titanium dioxide materials for visible-light activity: a theoretical prediction. RSC Advances, 2013, 3, 8777.	1.7	31
116	{001} Faceted Anatase Titanium Dioxide Crystals Photoanode for Solar Cells and Photocatalysis. , 2013, , ,		0
117	Low temperature solvothermal synthesis of anatase TiO ₂ single crystals with wholly {100} and {001} faceted surfaces. Journal of Materials Chemistry, 2012, 22, 23906.	6.7	91
118	Vertically aligned nanorod-like rutileTiO ₂ single crystal nanowire bundles with superior electron transport and photoelectrocatalytic properties. Journal of Materials Chemistry, 2012, 22, 2465-2472.	6.7	84
119	High-Performance Nanoporous TiO ₂ /La ₂ O ₃ Hybrid Photoanode for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2012, 4, 1289-1294.	4.0	62
120	Vapor-Phase Hydrothermal Transformation of HTiOF ₃ Intermediates into {001} Faceted Anatase Single-Crystalline Nanosheets. Small, 2012, 8, 3664-3673.	5.2	56
121	Visible light active pure rutile TiO ₂ photoanodes with 100% exposed pyramid-shaped (111) surfaces. Nano Research, 2012, 5, 762-769.	5.8	57
122	Nanocrystal Cu ₂ O-loaded TiO ₂ nanotube array films as high-performance visible-light bactericidal photocatalyst. Applied Microbiology and Biotechnology, 2012, 96, 1201-1207.	1.7	23
123	Single crystal γ -Fe ₂ O ₃ with exposed {104} facets for high performance gas sensor applications. RSC Advances, 2012, 2, 6178.	1.7	82
124	Photocatalytic Synthesis of TiO ₂ and Reduced Graphene Oxide Nanocomposite for Lithium Ion Battery. ACS Applied Materials & Interfaces, 2012, 4, 3636-3642.	4.0	276
125	A New Vapor-Phase Hydrothermal Method to Concurrently Grow ZnO Nanotube and Nanorod Array Films on Different Sides of a Zinc Foil Substrate. Chemistry - A European Journal, 2012, 18, 5165-5169.	1.7	20
126	Morphological and physiological characteristics of corn (Zea mays L.) roots from cultivars with different yield potentials. European Journal of Agronomy, 2012, 38, 54-63.	1.9	96

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127	Directly Hydrothermal Growth of Single Crystal Nb ₃ O ₇ (OH) Nanorod Film for High Performance Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , 2012, 24, 1598-1603.	11.1	86
128	A Facile Vapor-Phase Hydrothermal Method for Direct Growth of Titanate Nanotubes on a Titanium Substrate via a Distinctive Nanosheet Roll-Up Mechanism. <i>Journal of the American Chemical Society</i> , 2011, 133, 19032-19035.	6.6	99
129	Anatase TiO ₂ Crystal Facet Growth: Mechanistic Role of Hydrofluoric Acid and Photoelectrocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2472-2478.	4.0	108
130	A selective etching phenomenon on {001} faceted anatase titanium dioxide single crystal surfaces by hydrofluoric acid. <i>Chemical Communications</i> , 2011, 47, 2829.	2.2	124
131	A facile one-step preparation of hierarchically-structured TiO ₂ nanotube array photoanodes with enhanced photocatalytic activity. <i>Electrochemistry Communications</i> , 2011, 13, 1151-1154.	2.3	11
132	Rutile TiO ₂ microspheres with exposed nano-acicular single crystals for dye-sensitized solar cells. <i>Nano Research</i> , 2011, 4, 938-947.	5.8	50
133	Facile Fabrication of Anatase TiO ₂ Microspheres on Solid Substrates and Surface Crystal Facet Transformation from {001} to {101}. <i>Chemistry - A European Journal</i> , 2011, 17, 5949-5957.	1.7	70
134	The fabrication of CNTs/TiO ₂ photoanodes for sensitive determination of organic compounds. <i>Nanotechnology</i> , 2010, 21, 485503.	1.3	12
135	Fabrication of Highly Ordered TiO ₂ Nanorod/Nanotube Adjacent Arrays for Photoelectrochemical Applications. <i>Langmuir</i> , 2010, 26, 11226-11232.	1.6	62
136	Facile Formation of Branched Titanate Nanotubes to Grow a Three-Dimensional Nanotubular Network Directly on a Solid Substrate. <i>Langmuir</i> , 2010, 26, 1574-1578.	1.6	20
137	Anatase TiO ₂ microspheres with exposed mirror-like plane {001} facets for high performance dye-sensitized solar cells (DSSCs). <i>Chemical Communications</i> , 2010, 46, 8395.	2.2	166
138	Direct growth of hierarchically structured titanate nanotube filtration membrane for removal of waterborne pathogens. <i>Journal of Membrane Science</i> , 2009, 343, 212-218.	4.1	23
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141	(R)-Methyl 2-(furan-2-carboxamido)-4-methylpentanoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3644-o3644.	0.2	0
142	3-(1-Methyl-1H-pyrrole-2-carboxamido)propanoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1181-o1183.	0.2	2
143	(S)-Methyl 2-(4,5-dibromo-1H-pyrrole-2-carboxamido)-4-methylpentanoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o2106-o2107.	0.2	0
144	3-[(3,4,5-Tribromo-1H-pyrrol-2-ylcarbonyl)amino]propanoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o2272-o2273.	0.2	0

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145	3-(4-Bromo-1H-pyrrole-2-carboxamido)propanoic acid. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o1076-o1078.	0.2	1
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