

Chung-Li Dong

List of Publications by Year in descending order

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papers

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41627

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times ranked

14469
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#	ARTICLE	IF	CITATIONS
1	Structurally ordered high-entropy intermetallic nanoparticles with enhanced C-C bond cleavage for ethanol oxidation. <i>SmartMat</i> , 2023, 4, .	6.4	23
2	Soft X-ray absorption spectroscopic investigation of MnO ₂ /graphene nanocomposites used in supercapacitor. <i>Catalysis Today</i> , 2022, 388-389, 63-69.	2.2	9
3	Regulation on polymerization degree and surface feature in graphitic carbon nitride towards efficient photocatalytic H ₂ evolution under visible-light irradiation. <i>Journal of Materials Science and Technology</i> , 2022, 98, 160-168.	5.6	45
4	Tailoring Competitive Adsorption Sites by Oxygen-Vacancy on Cobalt Oxides to Enhance the Electrooxidation of Biomass. <i>Advanced Materials</i> , 2022, 34, e2107185.	11.1	162
5	Doping-Modulated Strain Enhancing the Phosphate Tolerance on PtFe Alloys for High-Temperature Proton Exchange Membrane Fuel Cells. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	45
6	Boosting photocatalytic hydrogen production by creating isotype heterojunctions and single-atom active sites in highly-crystallized carbon nitride. <i>Science Bulletin</i> , 2022, 67, 520-528.	4.3	29
7	Synergistic effect of nitrogen vacancy on ultrathin graphitic carbon nitride porous nanosheets for highly efficient photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2022, 431, 134101.	6.6	74
8	Recent advances in vanadium pentoxide (V ₂ O ₅) towards related applications in chromogenics and beyond: fundamentals, progress, and perspectives. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4019-4071.	2.7	53
9	<i>In Situ</i> Exploring of the Origin of the Enhanced Oxygen Evolution Reaction Efficiency of Metal(Co/Fe)-Organic Framework Catalysts Via Postprocessing. <i>ACS Catalysis</i> , 2022, 12, 3138-3148.	5.5	24
10	Integrated Catalytic Sites for Highly Efficient Electrochemical Oxidation of the Aldehyde and Hydroxyl Groups in 5-Hydroxymethylfurfural. <i>ACS Catalysis</i> , 2022, 12, 4242-4251.	5.5	74
11	5f Covalency Synergistically Boosting Oxygen Evolution of UCoO ₄ Catalyst. <i>Journal of the American Chemical Society</i> , 2022, 144, 416-423.	6.6	48
12	On the local atomic structure for swift coloration of chromogenic thin film. <i>Applied Surface Science</i> , 2022, 593, 153351.	3.1	1
13	Activated Ni-OH Bonds in a Catalyst Facilitates the Nucleophile Oxidation Reaction. <i>Advanced Materials</i> , 2022, 34, e2105320.	11.1	47
14	Atomically Dispersed Janus Nickel Sites on Red Phosphorus for Photocatalytic Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	43
15	Constructing nickel-iron oxyhydroxides integrated with iron oxides by microorganism corrosion for oxygen evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2202812119.	3.3	21
16	Formation of FePt-MgO Nanocomposite Films at Reduced Temperature. <i>Journal of Composites Science</i> , 2022, 6, 158.	1.4	3
17	Single-Metal Atoms and Ultra-Small Clusters Manipulating Charge Carrier Migration in Polymeric Perylene Diimide for Efficient Photocatalytic Oxygen Production. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	40
18	Defects assisted structural and electrical properties of Ar ion irradiated TiO ₂ /SrTiO ₃ bilayer. <i>Materials Letters</i> , 2021, 282, 128880.	1.3	3

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19	Origin of intense blue-green emission in O_3 thin films with implanted nitrogen ions: An investigation by synchrotron-based experimental techniques. <i>Physical Review B</i> , 2021, 103.	1.1	8
20	Tuning the Selective Adsorption Site of Biomass on Co_3O_4 by Ir Single Atoms for Electrosynthesis. <i>Advanced Materials</i> , 2021, 33, e2007056.	11.1	217
21	Catalytically Active Site Identification of Molybdenum Disulfide as Gas Cathode in a Nonaqueous Li^+CO_2 Battery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6156-6167.	4.0	18
22	Single-atom nickel terminating sp^2 and sp^3 nitride in polymeric carbon nitride for visible-light photocatalytic overall water splitting. <i>Chemical Science</i> , 2021, 12, 3633-3643.	3.7	68
23	Fe^{2+} -Induced In Situ Intercalation and Cation Exsolution of $\text{Co}_{80}\text{Fe}_{20}(\text{OH})(\text{OCH}_3)_3$ with Rich Vacancies for Boosting Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2009245.	7.8	38
24	Significant role of substrate temperature on the morphology, electronic structure and thermoelectric properties of SrTiO_3 films deposited by pulsed laser deposition. <i>Surface and Coatings Technology</i> , 2021, 407, 126740.	2.2	6
25	Unveiling the Electrooxidation of Urea: Intramolecular Coupling of the N^{\sim}N Bond. <i>Angewandte Chemie</i> , 2021, 133, 7373-7383.	1.6	24
26	Unveiling the Electrooxidation of Urea: Intramolecular Coupling of the N^{\sim}N Bond. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7297-7307.	7.2	204
27	Boron-doped nitrogen-deficient carbon nitride-based Z-scheme heterostructures for photocatalytic overall water splitting. <i>Nature Energy</i> , 2021, 6, 388-397.	19.8	764
28	AuPd Nanocicosahedra: Atomic-Level Surface Modulation for Optimization of Electrocatalytic and Photocatalytic Energy Conversion. <i>ACS Applied Energy Materials</i> , 2021, 4, 2652-2662.	2.5	4
29	Tailoring lattice strain in ultra-fine high-entropy alloys for active and stable methanol oxidation. <i>Science China Materials</i> , 2021, 64, 2454-2466.	3.5	43
30	Photo generated charge transport studies of defects-induced shuttlecock-shaped ZnO/Ag hybrid nanostructures. <i>Nanotechnology</i> , 2021, 32, 305708.	1.3	5
31	Controlled Magnetic Isolation and Decoupling of Perpendicular FePt Films by Capping Ultrathin $\text{Cu}(002)$ Nano-Islands. <i>Journal of Composites Science</i> , 2021, 5, 140.	1.4	3
32	A review of energy materials studied by in situ/operando synchrotron x-ray spectro-microscopy. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 343001.	1.3	12
33	Sequential tunability of red and white light emissions in Sm-activated ZnO phosphors by up- and downconversion mechanisms. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	4
34	Role of Interfacial Defects in Photoelectrochemical Properties of BiVO_4 Coated on ZnO Nanodendrites: X-ray Spectroscopic and Microscopic Investigation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41524-41536.	4.0	2
35	Disordered nitrogen-defect-rich porous carbon nitride photocatalyst for highly efficient H_2 evolution under visible-light irradiation. <i>Carbon</i> , 2021, 181, 193-203.	5.4	81
36	In Situ/Operando Capturing Unusual Ir^{6+} Facilitating Ultrafast Electrocatalytic Water Oxidation. <i>Advanced Functional Materials</i> , 2021, 31, 2104746.	7.8	29

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37	Activity origin and alkalinity effect of electrocatalytic biomass oxidation on nickel nitride. Journal of Energy Chemistry, 2021, 61, 179-185.	7.1	50
38	Exceptional lattice-oxygen participation on artificially controllable electrochemistry-induced crystalline-amorphous phase to boost oxygen-evolving performance. Applied Catalysis B: Environmental, 2021, 297, 120484.	10.8	41
39	Extended Graphite Supported Flower-like MnO ₂ as Bifunctional Materials for Supercapacitors and Glucose Sensing. Nanomaterials, 2021, 11, 2881.	1.9	4
40	Understanding the role of structural distortions on the transport properties of Ar ion irradiated SrTiO ₃ thin films: X-ray absorption investigation. Journal of Applied Physics, 2021, 130, .	1.1	1
41	Intersite Cooperation-Enhanced Water Splitting in Quadruple Perovskite Oxide CaCu ₃ Ir ₄ O ₁₂ . Chemistry of Materials, 2021, 33, 9295-9305.	3.2	11
42	A ternary nanostructured $\text{Fe}_2\text{O}_3/\text{Au}/\text{TiO}_2$ photoanode with reconstructed interfaces for efficient photoelectrocatalytic water splitting. Applied Catalysis B: Environmental, 2020, 260, 118206.	10.8	72
43	Enhancement of thermoelectric performance of n-type In ₂ (Te _{0.94} Se _{0.06}) ₃ thin films by electronic excitations. Applied Surface Science, 2020, 505, 144115.	3.1	0
44	Surface Electronic Structure Reconfiguration of Hematite Nanorods for Efficient Photoanodic Water Oxidation. Solar Rrl, 2020, 4, 1900349.	3.1	30
45	A [001]-Oriented Hittorf's Phosphorus Nanorods/Polymeric Carbon Nitride Heterostructure for Boosting Wide-Spectrum-Responsive Photocatalytic Hydrogen Evolution from Pure Water. Angewandte Chemie - International Edition, 2020, 59, 868-873.	7.2	164
46	Electronic and atomic structure of TiO ₂ anatase spines on sea-urchin-like microspheres by X-ray absorption spectroscopy. Applied Surface Science, 2020, 502, 144297.	3.1	18
47	A [001]-Oriented Hittorf's Phosphorus Nanorods/Polymeric Carbon Nitride Heterostructure for Boosting Wide-Spectrum-Responsive Photocatalytic Hydrogen Evolution from Pure Water. Angewandte Chemie, 2020, 132, 878-883.	1.6	40
48	NiCo ₂ O ₄ /graphene quantum dots (GQDs) for use in efficient electrochemical energy devices: An electrochemical and X-ray absorption spectroscopic investigation. Catalysis Today, 2020, 348, 290-298.	2.2	11
49	Operando Spectral and Electrochemical Investigation into the Heterophase Stimulated Active Species Transformation in Transition-Metal Sulfides for Efficient Electrocatalytic Oxygen Evolution. ACS Catalysis, 2020, 10, 1855-1864.	5.5	113
50	Activity Origins and Design Principles of Nickel-Based Catalysts for Nucleophile Electrooxidation. Chem, 2020, 6, 2974-2993.	5.8	302
51	Interlayer ligand engineering of $\text{Ni}(\text{OH})_2$ for oxygen evolution reaction. Science China Chemistry, 2020, 63, 1684-1693.	4.2	15
52	Identifying the Geometric Site Dependence of Spinel Oxides for the Electrooxidation of 5-Hydroxymethylfurfural. Angewandte Chemie - International Edition, 2020, 59, 19215-19221.	7.2	211
53	Identifying the Geometric Site Dependence of Spinel Oxides for the Electrooxidation of 5-Hydroxymethylfurfural. Angewandte Chemie, 2020, 132, 19377-19383.	1.6	41
54	Regulating Crystal Structure and Atomic Arrangement in Single-Component Metal Oxides through Electrochemical Conversion for Efficient Overall Water Splitting. ACS Applied Materials & Interfaces, 2020, 12, 57038-57046.	4.0	15

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55	Controllable synthesis of Fe ^{N₄} species for acidic oxygen reduction. , 2020, 2, 452-460.		50
56	Hierarchically nanostructured NiO-Co ₃ O ₄ with rich interface defects for the electro-oxidation of 5-hydroxymethylfurfural. Science China Chemistry, 2020, 63, 980-986.	4.2	85
57	Improved photocatalytic efficacy of TiO ₂ open nanotube arrays: A view by XAS. Applied Surface Science, 2020, 527, 146844.	3.1	5
58	<i>Operando</i> Identification of the Dynamic Behavior of Oxygen Vacancy-Rich Co ₃ O ₄ for Oxygen Evolution Reaction. Journal of the American Chemical Society, 2020, 142, 12087-12095.	6.6	736
59	Critical Factors Controlling Superoxide Reactions in Lithium-Oxygen Batteries. ACS Energy Letters, 2020, 5, 1355-1363.	8.8	37
60	Utilizing ion leaching effects for achieving high oxygen-evolving performance on hybrid nanocomposite with self-optimized behaviors. Nature Communications, 2020, 11, 3376.	5.8	122
61	Electronic structures associated with enhanced photocatalytic activity in nanogap-engineered g-C ₃ N ₄ /Ag@SiO ₂ hybrid nanostructures. Applied Surface Science, 2020, 514, 145907.	3.1	7
62	Influence of halide ions on the structure and properties of copper indium sulphide quantum dots. Chemical Communications, 2020, 56, 3341-3344.	2.2	6
63	Controlling the Oxidation State of the Cu Electrode and Reaction Intermediates for Electrochemical CO ₂ Reduction to Ethylene. Journal of the American Chemical Society, 2020, 142, 2857-2867.	6.6	342
64	Voltage- and time-dependent valence state transition in cobalt oxide catalysts during the oxygen evolution reaction. Nature Communications, 2020, 11, 1984.	5.8	120
65	In Situ Exfoliation and Pt Deposition of Antimonene for Formic Acid Oxidation via a Predominant Dehydrogenation Pathway. Research, 2020, 2020, 5487237.	2.8	10
66	In Situ Observation of the Insulator-To-Metal Transition and Nonequilibrium Phase Transition for Li _{1-x} CoO ₂ Films with Preferred (003) Orientation Nanorods. ACS Applied Materials & Interfaces, 2019, 11, 33043-33053.	4.0	14
67	Screening highly active perovskites for hydrogen-evolving reaction via unifying ionic electronegativity descriptor. Nature Communications, 2019, 10, 3755.	5.8	139
68	Surface sulfurization activating hematite nanorods for efficient photoelectrochemical water splitting. Science Bulletin, 2019, 64, 1262-1271.	4.3	36
69	Electronically Coupled Uranium and Iron Oxide Heterojunctions as Efficient Water Oxidation Catalysts. Advanced Functional Materials, 2019, 29, 1905005.	7.8	18
70	Synergy of Dopants and Defects in Graphitic Carbon Nitride with Exceptionally Modulated Band Structures for Efficient Photocatalytic Oxygen Evolution. Advanced Materials, 2019, 31, e1903545.	11.1	604
71	Tuning the Electrical and Thermoelectric Properties of N Ion Implanted SrTiO ₃ Thin Films and Their Conduction Mechanisms. Scientific Reports, 2019, 9, 14486.	1.6	30
72	Quinary Defect-Rich Ultrathin Bimetal Hydroxide Nanosheets for Water Oxidation. ACS Applied Materials & Interfaces, 2019, 11, 44018-44025.	4.0	15

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73	Zirconium-Regulation-Induced Bifunctionality in 3D Cobalt-Iron Oxide Nanosheets for Overall Water Splitting. <i>Advanced Materials</i> , 2019, 31, e1901439.	11.1	306
74	Red phosphorus decorated and doped TiO ₂ nanofibers for efficient photocatalytic hydrogen evolution from pure water. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117764.	10.8	151
75	Modulating the electronic structure of ultrathin layered double hydroxide nanosheets with fluorine: an efficient electrocatalyst for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14483-14488.	5.2	73
76	Morphology Manipulation of Copper Nanocrystals and Product Selectivity in the Electrocatalytic Reduction of Carbon Dioxide. <i>ACS Catalysis</i> , 2019, 9, 5217-5222.	5.5	105
77	Au-BINOL Hybrid Nanocatalysts: Insights into the Structure-Based Enhancement of Catalytic and Photocatalytic Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 5479-5489.	1.8	4
78	Bifunctional cobalt phosphide nanoparticles with convertible surface structure for efficient electrocatalytic water splitting in alkaline solution. <i>Journal of Catalysis</i> , 2019, 371, 262-269.	3.1	45
79	Probing the Active Sites of Carbon-Encapsulated Cobalt Nanoparticles for Oxygen Reduction. <i>Small Methods</i> , 2019, 3, 1800439.	4.6	33
80	Tuning the Coordination Environment in Single-Atom Catalysts to Achieve Highly Efficient Oxygen Reduction Reactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 20118-20126.	6.6	683
81	Identifying the crystal and electronic structure evolution in tri-component transition metal oxide nanosheets for efficient electrocatalytic oxygen evolution. <i>EcoMat</i> , 2019, 1, e12005.	6.8	14
82	Effect of Fe ion implantation on the thermoelectric properties and electronic structures of CoSb ₃ thin films. <i>RSC Advances</i> , 2019, 9, 36113-36122.	1.7	17
83	X-Ray Spectroscopic Analysis of Electronic Properties of One-Dimensional Nanostructured Materials. <i>Nanostructure Science and Technology</i> , 2019, , 1-29.	0.1	0
84	The Role of the Copper Oxidation State in the Electrocatalytic Reduction of CO ₂ into Valuable Hydrocarbons. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1485-1492.	3.2	121
85	A facile route for the synthesis of heterogeneous crystal structures in hierarchical architectures with vacancy-driven defects <i>via</i> the oriented attachment growth mechanism. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10663-10673.	5.2	4
86	Plasmon-Induced Visible-Light Photocatalytic Activity of Au Nanoparticle-Decorated Hollow Mesoporous TiO ₂ : A View by X-ray Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6955-6962.	1.5	25
87	The Electro-Deposition/Dissolution of CuSO ₄ Aqueous Electrolyte Investigated by <i>In Situ</i> Soft X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2018, 122, 780-787.	1.2	26
88	Visible light-induced electronic structure modulation of Nb- and Ta-doped δ -Fe ₂ O ₃ nanorods for effective photoelectrochemical water splitting. <i>Nanotechnology</i> , 2018, 29, 064002.	1.3	21
89	Engineering the coordination geometry of metal-organic complex electrocatalysts for highly enhanced oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 805-810.	5.2	69
90	Enhancing Solar-Driven Water Splitting with Surface-Engineered Nanostructures. <i>Solar Rrl</i> , 2018, 3, 1800285.	3.1	5

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91	Single platinum atoms immobilized on an MXene as an efficient catalyst for the hydrogen evolution reaction. <i>Nature Catalysis</i> , 2018, 1, 985-992.	16.1	1,236
92	A Solvent-Controlled Oxidation Mechanism of Li ₂ O ₂ in Lithium-Oxygen Batteries. <i>Joule</i> , 2018, 2, 2364-2380.	11.7	139
93	In Situ/Operando X-ray Spectroscopies for Advanced Investigation of Energy Materials. <i>Chemistry - A European Journal</i> , 2018, 24, 18356-18373.	1.7	43
94	Structure and Transport Properties of Nickel-Implanted CoSb ₃ Skutterudite Thin Films Synthesized via Pulsed Laser Deposition. <i>ACS Applied Energy Materials</i> , 2018, 1, 5879-5886.	2.5	8
95	Interface engineering of Pt and CeO ₂ nanorods with unique interaction for methanol oxidation. <i>Nano Energy</i> , 2018, 53, 604-612.	8.2	197
96	Preferential Cation Vacancies in Perovskite Hydroxide for the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2018, 130, 8827-8832.	1.6	37
97	Preferential Cation Vacancies in Perovskite Hydroxide for the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8691-8696.	7.2	337
98	Evolution of Visible Photocatalytic Properties of Cu-Doped CeO ₂ Nanoparticles: Role of Cu ²⁺ -Mediated Oxygen Vacancies and the Mixed-Valence States of Ce Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8536-8546.	3.2	55
99	Tunable Nonthermal Distribution of Hot Electrons in a Semiconductor Injected from a Plasmonic Gold Nanostructure. <i>ACS Nano</i> , 2018, 12, 7117-7126.	7.3	65
100	Electronic Structure Evolution in Tricomponent Metal Phosphides with Reduced Activation Energy for Efficient Electrocatalytic Oxygen Evolution. <i>Small</i> , 2018, 14, e1801756.	5.2	69
101	Activating K ⁺ -Type Organometallic Precursors at Metal Oxide Surfaces for Enhanced Solar Water Oxidation. <i>ACS Energy Letters</i> , 2018, 3, 1613-1619.	8.8	33
102	X-ray Absorption Spectroscopic Study on Interfacial Electronic Properties of FeOOH/Reduced Graphene Oxide for Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3186-3194.	3.2	17
103	Operando X-ray spectroscopic observations of modulations of local atomic and electronic structures of color switching smart film. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14224-14229.	1.3	11
104	Molecular Design of Polymer Heterojunctions for Efficient Solar-Driven Hydrogen Conversion. <i>Advanced Materials</i> , 2017, 29, 1606198.	11.1	203
105	Trends in reactivity of electrodeposited 3d transition metals on gold revealed by operando soft x-ray absorption spectroscopy during water splitting. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 024002.	1.3	12
106	Silicon microwire arrays decorated with amorphous heterometal-doped molybdenum sulfide for water photoelectrolysis. <i>Nano Energy</i> , 2017, 32, 422-432.	8.2	58
107	Filling the oxygen vacancies in Co ₃ O ₄ with phosphorus: an ultra-efficient electrocatalyst for overall water splitting. <i>Energy and Environmental Science</i> , 2017, 10, 2563-2569.	15.6	859
108	Evolution of nanostructured single-phase CoSb ₃ thin films by low-energy ion beam induced mixing and their thermoelectric performance. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24886-24895.	1.3	10

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109	In situ evolution of highly dispersed amorphous CoO clusters for oxygen evolution reaction. <i>Nanoscale</i> , 2017, 9, 11969-11975.	2.8	138
110	Atomic-Scale CoO Species in Metal-Organic Frameworks for Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2017, 27, 1702546.	7.8	327
111	Interlayer interaction in ultrathin nanosheets of graphitic carbon nitride for efficient photocatalytic hydrogen evolution. <i>Journal of Catalysis</i> , 2017, 352, 491-497.	3.1	92
112	Electrochemical and in situ X-ray spectroscopic studies of MnO ₂ /reduced graphene oxide nanocomposites as a supercapacitor. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18705-18718.	1.3	32
113	Structural, magnetic and electronic properties of iron doped barium strontium titanate. <i>RSC Advances</i> , 2016, 6, 112363-112369.	1.7	21
114	Synergistic-Effect-Controlled CoTe ₂ /Carbon Nanotube Hybrid Material for Efficient Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28093-28099.	1.5	39
115	Nb-Doped Hematite Nanorods for Efficient Solar Water Splitting: Electronic Structure Evolution versus Morphology Alteration. <i>ChemNanoMat</i> , 2016, 2, 704-711.	1.5	51
116	Solution growth of Ta-doped hematite nanorods for efficient photoelectrochemical water splitting: a tradeoff between electronic structure and nanostructure evolution. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3846-3853.	1.3	58
117	Atomic and electronic aspects of the coloration mechanism of gasochromic Pt/Mo-modified V ₂ O ₅ smart films: an in situ X-ray spectroscopic study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5203-5210.	1.3	33
118	Wide Range pH-Tolerable Silicon@Pyrite Cobalt Dichalcogenide Microwire Array Photoelectrodes for Solar Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5400-5407.	4.0	22
119	Synthesis of hybrid diamond films via two-step microwave enhanced chemical vapor deposition process for enhancing the electron field emission properties. <i>Diamond and Related Materials</i> , 2016, 63, 211-217.	1.8	0
120	Tandem Structure of QD Cosensitized TiO ₂ Nanorod Arrays for Solar Light Driven Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 210-218.	3.2	29
121	Nanogap Engineered Plasmon-Enhancement in Photocatalytic Solar Hydrogen Conversion. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500280.	1.9	55
122	Mechanism of Electrochemical Deposition and Coloration of Electrochromic V ₂ O ₅ Nano Thin Films: an In Situ X-Ray Spectroscopy Study. <i>Nanoscale Research Letters</i> , 2015, 10, 387.	3.1	38
123	Behind the color switching in gasochromic VO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3482-3489.	1.3	26
124	Transparent free-standing film of 1-D rutile/anatase TiO ₂ nanorod arrays by a one-step hydrothermal process. <i>Chemical Communications</i> , 2015, 51, 6361-6364.	2.2	15
125	Electronic properties of free-standing TiO ₂ nanotube arrays fabricated by electrochemical anodization. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22064-22071.	1.3	42
126	An integrated cobalt disulfide (CoS ₂) co-catalyst passivation layer on silicon microwires for photoelectrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23466-23476.	5.2	68

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127	Nanoflaky MnO ₂ /functionalized carbon nanotubes for supercapacitors: an in situ X-ray absorption spectroscopic investigation. <i>Nanoscale</i> , 2015, 7, 1725-1735.	2.8	57
128	Defect Structure Guided Room Temperature Ferromagnetism of Y-Doped CeO ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26359-26367.	1.5	57
129	Local geometric and electronic structures of gasochromic VO _x films. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4699.	1.3	19
130	Enhanced Room-Temperature Ferromagnetism on Co-Doped CeO ₂ Nanoparticles: Mechanism and Electronic and Optical Properties. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27039-27047.	1.5	94
131	Understanding and Tuning Electronic Structure in Modified Ceria Nanocrystals by Defect Engineering. <i>Langmuir</i> , 2014, 30, 10430-10439.	1.6	10
132	Bias-Enhanced Nucleation and Growth Processes for Ultrananocrystalline Diamond Films in Ar/CH ₄ Plasma and Their Enhanced Plasma Illumination Properties. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10566-10575.	4.0	26
133	Surface Engineered Doping of Hematite Nanorod Arrays for Improved Photoelectrochemical Water Splitting. <i>Scientific Reports</i> , 2014, 4, 6627.	1.6	160
134	Fabrication of highly transparent ultrananocrystalline diamond films from focused microwave plasma jets. <i>Surface and Coatings Technology</i> , 2013, 231, 594-598.	2.2	6
135	Effects of oxygen partial pressure on structural and gasochromic properties of sputtered VO _x thin films. <i>Thin Solid Films</i> , 2013, 544, 448-451.	0.8	10
136	In situ detection of dopamine using nitrogen incorporated diamond nanowire electrode. <i>Nanoscale</i> , 2013, 5, 1159.	2.8	80
137	Towards understanding the electronic structure of Fe-doped CeO ₂ nanoparticles with X-ray spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14701.	1.3	48
138	Characterization of gasochromic vanadium oxides films by X-ray absorption spectroscopy. <i>Thin Solid Films</i> , 2013, 544, 461-465.	0.8	25
139	Enhancement of Ferromagnetism in CeO ₂ Nanoparticles by Nonmagnetic Cr ³⁺ Doping. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26570-26576.	1.5	24
140	Mesoporous Fe-doped TiO ₂ sub-microspheres with enhanced photocatalytic activity under visible light illumination. <i>Applied Catalysis B: Environmental</i> , 2012, 127, 175-181.	10.8	48
141	Concentration Dependence of Oxygen Vacancy on the Magnetism of CeO ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8707-8713.	1.5	82
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