

John Wang

List of Publications by Year in descending order

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589
papers

51,303
citations

1990

101
h-index

1980

206
g-index

597
all docs

597
docs citations

597
times ranked

42077
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial BiFeO ₃ Multiferroic Thin Film Heterostructures. <i>Science</i> , 2003, 299, 1719-1722.	6.0	5,548
2	Pseudocapacitive Contributions to Electrochemical Energy Storage in TiO ₂ (Anatase) Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14925-14931.	1.5	3,863
3	Ordered mesoporous γ -MoO ₃ with iso-oriented nanocrystalline walls for thin-film pseudocapacitors. <i>Nature Materials</i> , 2010, 9, 146-151.	13.3	2,801
4	Multiferroic BaTiO ₃ -CoFe ₂ O ₄ Nanostructures. <i>Science</i> , 2004, 303, 661-663.	6.0	2,051
5	Rational Design of Metal-Organic Framework Derived Hollow NiCo ₂ O ₄ Arrays for Flexible Supercapacitor and Electrocatalysis. <i>Advanced Energy Materials</i> , 2017, 7, 1602391.	10.2	874
6	Two dimensional hexagonal boron nitride (2D-hBN): synthesis, properties and applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11992-12022.	2.7	732
7	Graphene-based materials for supercapacitor electrodes – A review. <i>Journal of Materiomics</i> , 2016, 2, 37-54.	2.8	620
8	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. <i>Nano Energy</i> , 2018, 48, 73-80.	8.2	608
9	A High-Rate and Stable Quasi-Solid-State Zinc-Ion Battery with Novel 2D Layered Zinc Orthovanadate Array. <i>Advanced Materials</i> , 2018, 30, e1803181.	11.1	571
10	Intrinsically fluorescent carbon dots with tunable emission derived from hydrothermal treatment of glucose in the presence of monopotassium phosphate. <i>Chemical Communications</i> , 2011, 47, 11615.	2.2	529
11	Hafnia and hafnia-toughened ceramics. <i>Journal of Materials Science</i> , 1992, 27, 5397-5430.	1.7	511
12	A Flexible Quasi-Solid-State Nickel-Zinc Battery with High Energy and Power Densities Based on 3D Electrode Design. <i>Advanced Materials</i> , 2016, 28, 8732-8739.	11.1	479
13	Multiferroic bismuth ferrite-based materials for multifunctional applications: Ceramic bulks, thin films and nanostructures. <i>Progress in Materials Science</i> , 2016, 84, 335-402.	16.0	478
14	Iron Oxide-Decorated Carbon for Supercapacitor Anodes with Ultrahigh Energy Density and Outstanding Cycling Stability. <i>ACS Nano</i> , 2015, 9, 5198-5207.	7.3	441
15	Hollow Co ₃ O ₄ Nanosphere Embedded in Carbon Arrays for Stable and Flexible Solid-State Zinc-Air Batteries. <i>Advanced Materials</i> , 2017, 29, 1704117.	11.1	407
16	In Situ Grown Epitaxial Heterojunction Exhibits High-Performance Electrocatalytic Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1705516.	11.1	375
17	Zirconia-toughened alumina (ZTA) ceramics. <i>Journal of Materials Science</i> , 1989, 24, 3421-3440.	1.7	372
18	Single Co Atoms Anchored in Porous N-Doped Carbon for Efficient Zinc-Air Battery Cathodes. <i>ACS Catalysis</i> , 2018, 8, 8961-8969.	5.5	364

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19	Metal Phosphides and Phosphates-based Electrodes for Electrochemical Supercapacitors. <i>Small</i> , 2017, 13, 1701530.	5.2	318
20	Ferroelectricity of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1155-1161.	2.1	295
21	Copper Single Atoms Anchored in Porous Nitrogen-Doped Carbon as Efficient pH-Universal Catalysts for the Nitrogen Reduction Reaction. <i>ACS Catalysis</i> , 2019, 9, 10166-10173.	5.5	284
22	Cactus-like NiCoP/NiCo(OH) 3D Architecture with Tunable Composition for High-Performance Electrochemical Capacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1800036.	7.8	274
23	Sulfur-doped cobalt phosphide nanotube arrays for highly stable hybrid supercapacitor. <i>Nano Energy</i> , 2017, 39, 162-171.	8.2	273
24	High-Performance Flexible Solid-State Ni/Fe Battery Consisting of Metal Oxides Coated Carbon Cloth/Carbon Nanofiber Electrodes. <i>Advanced Energy Materials</i> , 2016, 6, 1601034.	10.2	262
25	The growth of nickel-manganese and cobalt-manganese layered double hydroxides on reduced graphene oxide for supercapacitor. <i>Electrochimica Acta</i> , 2016, 206, 108-115.	2.6	259
26	Effects of grain size on the dielectric properties and tunabilities of sol-gel derived $\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3$ ceramics. <i>Solid State Communications</i> , 2004, 131, 163-168.	0.9	252
27	Epitaxial BiFeO_3 thin films on Si. <i>Applied Physics Letters</i> , 2004, 85, 2574-2576.	1.5	249
28	Metal-organic framework derived hollow CoS_2 nanotube arrays: an efficient bifunctional electrocatalyst for overall water splitting. <i>Nanoscale Horizons</i> , 2017, 2, 342-348.	4.1	247
29	Decorating Co/CoN _x nanoparticles in nitrogen-doped carbon nanoarrays for flexible and rechargeable zinc-air batteries. <i>Energy Storage Materials</i> , 2019, 16, 243-250.	9.5	244
30	MOF-derived nanohybrids for electrocatalysis and energy storage: current status and perspectives. <i>Chemical Communications</i> , 2018, 54, 5268-5288.	2.2	237
31	Perovskites for photovoltaics: a combined review of organic-inorganic halide perovskites and ferroelectric oxide perovskites. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18809-18828.	5.2	232
32	TMD-based highly efficient electrocatalysts developed by combined computational and experimental approaches. <i>Chemical Society Reviews</i> , 2018, 47, 4332-4356.	18.7	232
33	Oxygen-vacancy-related relaxation and scaling behaviors of $\langle \text{Bi} \rangle$. <i>Physical Review B</i> , 2010, 82, ...	1.1	228
34	Significant Role of Al in Ternary Layered Double Hydroxides for Enhancing Electrochemical Performance of Flexible Asymmetric Supercapacitor. <i>Advanced Functional Materials</i> , 2019, 29, 1903879.	7.8	228
35	Cobalt oxide and N-doped carbon nanosheets derived from a single two-dimensional metal-organic framework precursor and their application in flexible asymmetric supercapacitors. <i>Nanoscale Horizons</i> , 2017, 2, 99-105.	4.1	227
36	Mechanochemical synthesis of nanocrystalline hydroxyapatite from CaO and CaHPO_4 . <i>Biomaterials</i> , 2001, 22, 2705-2712.	5.7	217

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37	One-dimensional and two-dimensional synergized nanostructures for high-performing energy storage and conversion. <i>Informa Mater</i> , 2020, 2, 3-32.	8.5	206
38	Silica-based nanocapsules: synthesis, structure control and biomedical applications. <i>Chemical Society Reviews</i> , 2015, 44, 315-335.	18.7	205
39	Rational Design of Holey 2D Nonlayered Transition Metal Carbide/Nitride Heterostructure Nanosheets for Highly Efficient Water Oxidation. <i>Advanced Energy Materials</i> , 2019, 9, 1803768.	10.2	204
40	Surface-Charge-Mediated Formation of $\text{H}_2\text{TiO}_2 @ \text{Ni}(\text{OH})_2$ Heterostructures for High-Performance Supercapacitors. <i>Advanced Materials</i> , 2017, 29, 1604164.	11.1	203
41	$(\text{Ni}, \text{Co})\text{Se}_2 / \text{NiCo-LDH}$ Core/Shell Structural Electrode with the Cactus-Like $(\text{Ni}, \text{Co})\text{Se}_2$ Core for Asymmetric Supercapacitors. <i>Small</i> , 2019, 15, e1803895.	5.2	203
42	Hierarchical Micro-Nano Sheet Arrays of Nickel-Cobalt Double Hydroxides for High-Rate Ni-Zn Batteries. <i>Advanced Science</i> , 2019, 6, 1802002.	5.6	202
43	CuO nanowires synthesized by thermal oxidation route. <i>Journal of Alloys and Compounds</i> , 2008, 454, 268-273.	2.8	200
44	Controllable MnCo_2S_4 nanostructures for high performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7494-7506.	5.2	198
45	Efficient Hydrogen Evolution of Oxidized Ni ₃ Defective Sites for Alkaline Freshwater and Seawater Electrolysis. <i>Advanced Materials</i> , 2021, 33, e2003846.	11.1	198
46	Composition and poling condition-induced electrical behavior of $(\text{Ba}_{0.85}\text{Ca}_{0.15})(\text{Ti}_{1-x}\text{Zr}_x)\text{O}_3$ lead-free piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2012, 32, 891-898.	2.8	197
47	3D-Printed MOF-Derived Hierarchically Porous Frameworks for Practical High-Energy Density Li-O ₂ Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1806658.	7.8	197
48	All-Solid-State Fiber Supercapacitors with Ultrahigh Volumetric Energy Density and Outstanding Flexibility. <i>Advanced Energy Materials</i> , 2019, 9, 1802753.	10.2	197
49	Synthesis of Fe ₃ O ₄ nanoparticles from emulsions. <i>Journal of Materials Chemistry</i> , 2001, 11, 1704-1709.	6.7	193
50	Integrated Hierarchical Carbon Flake Arrays with Hollow P-Doped CoSe ₂ Nanoclusters as an Advanced Bifunctional Catalyst for Zn-Air Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1804846.	7.8	192
51	Synergizing Mo Single Atoms and Mo ₂ C Nanoparticles on CNTs Synchronizes Selectivity and Activity of Electrocatalytic N ₂ Reduction to Ammonia. <i>Advanced Materials</i> , 2020, 32, e2002177.	11.1	190
52	Stitching of Zn ₃ (OH) ₂ V ₂ O ₇ ·2H ₂ O 2D Nanosheets by 1D Carbon Nanotubes Boosts Ultrahigh Rate for Wearable Quasi-Solid-State Zinc-Ion Batteries. <i>ACS Nano</i> , 2020, 14, 842-853.	7.3	183
53	Ni-Doped Cobalt-Cobalt Nitride Heterostructure Arrays for High-Power Supercapacitors. <i>ACS Energy Letters</i> , 2018, 3, 2462-2469.	8.8	182
54	Ceramic-based membranes for water and wastewater treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 578, 123513.	2.3	179

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55	Bimetallic Nickel Cobalt Sulfide as Efficient Electrocatalyst for Zn ²⁺ Air Battery and Water Splitting. Nano-Micro Letters, 2019, 11, 2.	14.4	179
56	Generation and Dynamics of an Endogenous, Self-Generated Signaling Gradient across a Migrating Tissue. Cell, 2013, 155, 674-687.	13.5	174
57	Potential-Dependent Phase Transition and Mo-Enriched Surface Reconstruction of $\hat{\Gamma}^3$ -CoOOH in a Heterostructured Co-Mo ₂ C Precatalyst Enable Water Oxidation. ACS Catalysis, 2020, 10, 4411-4419.	5.5	174
58	Improving the magnetic properties of hydrothermally synthesized barium ferrite. Journal of Magnetism and Magnetic Materials, 1999, 195, 452-459.	1.0	172
59	NiFe ₂ O ₄ ultrafine particles prepared by co-precipitation/mechanical alloying. Journal of Magnetism and Magnetic Materials, 1999, 205, 249-254.	1.0	170
60	Role of room-temperature phase transition in the electrical properties of (Ba, Ca)(Ti, Zr)O ₃ ceramics. Scripta Materialia, 2011, 65, 771-774.	2.6	170
61	NiFe ₂ O ₄ nanoparticles formed in situ in silica matrix by mechanical activation. Journal of Applied Physics, 2002, 91, 6015-6020.	1.1	165
62	Fabrication of (NH ₄) ₂ V ₃ O ₈ nanoparticles encapsulated in amorphous carbon for high capacity electrodes in aqueous zinc ion batteries. Chemical Engineering Journal, 2020, 382, 122844.	6.6	164
63	Ferroelectric HfO ₂ -based materials for next-generation ferroelectric memories. Journal of Advanced Dielectrics, 2016, 06, 1630003.	1.5	163
64	Manipulating unidirectional fluid transportation to drive sustainable solar water extraction and brine-drenching induced energy generation. Energy and Environmental Science, 2020, 13, 4891-4902.	15.6	162
65	Heterojunction engineering of MoSe ₂ /MoS ₂ with electronic modulation towards synergetic hydrogen evolution reaction and supercapacitance performance. Chemical Engineering Journal, 2019, 359, 1419-1426.	6.6	160
66	Intrinsically fluorescent nitrogen-containing carbon nanoparticles synthesized by a hydrothermal process. Carbon, 2011, 49, 5207-5212.	5.4	156
67	Self-Powered Water-Splitting Devices by Core-Shell NiFe@Graphite-Based Zn ²⁺ Air Batteries. Advanced Functional Materials, 2018, 28, 1706928.	7.8	155
68	Mechanochemical Synthesis of Lead Zirconate Titanate from Mixed Oxides. Journal of the American Ceramic Society, 1999, 82, 1687-1692.	1.9	154
69	Nanoframes of Co ₃ O ₄ -Mo ₂ N Heterointerfaces Enable High-Performance Bifunctionality toward Both Electrocatalytic HER and OER. Advanced Functional Materials, 2022, 32, 2107382.	7.8	153
70	Synthesis and piezoresponse of highly ordered Pb(Zr _{0.53} Ti _{0.47})O ₃ nanowire arrays. Applied Physics Letters, 2004, 85, 4190-4192.	1.5	151
71	Processing of hydroxyapatite via microemulsion and emulsion routes. Biomaterials, 1997, 18, 1433-1439.	5.7	146
72	Flexible Asymmetric Supercapacitor Based on Structure-Optimized Mn ₃ O ₄ /Reduced Graphene Oxide Nanohybrid Paper with High Energy and Power Density. Advanced Functional Materials, 2015, 25, 7291-7299.	7.8	146

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73	An ultrafine barium ferrite powder of high coercivity from water-in-oil microemulsion. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 184, 344-354.	1.0	145
74	Transparent nanohybrids of nanocrystalline TiO ₂ in PMMA with unique nonlinear optical behavior. <i>Journal of Materials Chemistry</i> , 2003, 13, 1475.	6.7	144
75	Controlling the crystallinity and nonlinear optical properties of transparent TiO ₂ @PMMA nanohybrids. <i>Journal of Materials Chemistry</i> , 2004, 14, 2978-2987.	6.7	144
76	Ferroelectric and Impedance Behavior of La ³⁺ and Ti ⁴⁺ Codoped BiFeO ₃ Thin Films. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2795-2803.	1.9	142
77	BiFeO ₃ thin films of (1 1 1)-orientation deposited on SrRuO ₃ buffered Pt/TiO ₂ /SiO ₂ /Si(1 0 0) substrates. <i>Acta Materialia</i> , 2010, 58, 1688-1697.	3.8	141
78	Impedance study of giant dielectric permittivity in BaFe _{0.5} Nb _{0.5} O ₃ perovskite ceramic. <i>Current Applied Physics</i> , 2010, 10, 21-25.	1.1	141
79	Zn ²⁺ Pre-intercalation Stabilizes the Tunnel Structure of MnO ₂ Nanowires and Enables Zinc-Ion Hybrid Supercapacitor of Battery-level Energy Density. <i>Small</i> , 2020, 16, e2000091.	5.2	139
80	Design and Manufacture of 3D-Printed Batteries. <i>Joule</i> , 2021, 5, 89-114.	11.7	137
81	Synthesis of PEOlated Fe ₃ O ₄ @SiO ₂ Nanoparticles via Bioinspired Silification for Magnetic Resonance Imaging. <i>Advanced Functional Materials</i> , 2010, 20, 722-731.	7.8	132
82	Electrocatalytic reduction of oxygen by a platinum nanoparticle/carbon nanotube composite electrode. <i>Journal of Electroanalytical Chemistry</i> , 2005, 577, 295-302.	1.9	130
83	Effects of nitrogen doping on supercapacitor performance of a mesoporous carbon electrode produced by a hydrothermal soft-templating process. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11753.	5.2	127
84	Ferroelectric and electrical behavior of (Na _{0.5} Bi _{0.5})TiO ₃ thin films. <i>Applied Physics Letters</i> , 2004, 85, 804-806.	1.5	126
85	Synergizing in-grown Ni ₃ N/Ni heterostructured core and ultrathin Ni ₃ N surface shell enables self-adaptive surface reconfiguration and efficient oxygen evolution reaction. <i>Nano Energy</i> , 2020, 78, 105355.	8.2	126
86	Freestanding Metal-Organic Frameworks and Their Derivatives: An Emerging Platform for Electrochemical Energy Storage and Conversion. <i>Chemical Reviews</i> , 2022, 122, 10087-10125.	23.0	126
87	CuCo ₂ S ₄ Nanosheets@N-Doped Carbon Nanofibers by Sulfurization at Room Temperature as Bifunctional Electrocatalysts in Flexible Quasi-Solid-State Zn-Air Batteries. <i>Advanced Science</i> , 2019, 6, 1900628.	5.6	123
88	Aqueous Rechargeable Multivalent Metal-Ion Batteries: Advances and Challenges. <i>Advanced Energy Materials</i> , 2021, 11, 2100608.	10.2	122
89	Conformal dispersed cobalt nanoparticles in hollow carbon nanotube arrays for flexible Zn-air and Al-air batteries. <i>Chemical Engineering Journal</i> , 2019, 369, 988-995.	6.6	121
90	Porous NiCo ₂ S ₄ /FeOOH nanowire arrays with rich sulfide/hydroxide interfaces enable high OER activity. <i>Nano Energy</i> , 2020, 78, 105230.	8.2	121

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91	In situ coupled amorphous cobalt nitride with nitrogen-doped graphene aerogel as a trifunctional electrocatalyst towards Zn-air battery driven full water splitting. Applied Catalysis B: Environmental, 2019, 259, 118100.	10.8	120
92	An improvement in processing of hydroxyapatite ceramics. Journal of Materials Science, 1995, 30, 3061-3074.	1.7	117
93	2D carbide nanomeshes and their assembling into 3D microflowers for efficient water splitting. Applied Catalysis B: Environmental, 2019, 243, 678-685.	10.8	116
94	Nurturing the marriages of single atoms with atomic clusters and nanoparticles for better heterogeneous electrocatalysis. , 2022, 1, 51-87.		114
95	Heterogeneous Single Atom Electrocatalysis, Where "Singles" Are "Married". Advanced Energy Materials, 2020, 10, 1903181.	10.2	113
96	Gold-Cluster Sensors Formed Electrochemically at Boron-Doped-Diamond Electrodes: Detection of Dopamine in the Presence of Ascorbic Acid and Thiols. Advanced Functional Materials, 2005, 15, 639-647.	7.8	110
97	Activation of the MoSe ₂ basal plane and Se-edge by B doping for enhanced hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 510-515.	5.2	110
98	Ultrafast optical nonlinearity in poly(methylmethacrylate)-TiO ₂ nanocomposites. Applied Physics Letters, 2003, 82, 2691-2693.	1.5	109
99	Control of Synaptic Plasticity Learning of Ferroelectric Tunnel Memristor by Nanoscale Interface Engineering. ACS Applied Materials & Interfaces, 2018, 10, 12862-12869.	4.0	109
100	Effect of dwell time during sintering on piezoelectric properties of (Ba _{0.85} Ca _{0.15})(Ti _{0.90} Zr _{0.10})O ₃ lead-free ceramics. Journal of Alloys and Compounds, 2011, 509, L359-L361.	2.8	107
101	Ferromagnetic, ferroelectric, and fatigue behavior of (111)-oriented BiFeO ₃ /(Bi _{1/2} Na _{1/2})TiO ₃ lead-free bilayered thin films. Applied Physics Letters, 2009, 94, .	1.5	106
102	3D-printed electrodes for lithium metal batteries with high areal capacity and high-rate capability. Energy Storage Materials, 2020, 24, 336-342.	9.5	105
103	Hollow Carbon Nanoparticles of Tunable Size and Wall Thickness by Hydrothermal Treatment of β -Cyclodextrin Templated by F127 Block Copolymers. Chemistry of Materials, 2013, 25, 704-710.	3.2	103
104	Conformally deposited NiO on a hierarchical carbon support for high-power and durable asymmetric supercapacitors. Journal of Materials Chemistry A, 2015, 3, 23283-23288.	5.2	103
105	Bifunctional Oxygen Electrocatalyst of Mesoporous Ni/NiO Nanosheets for Flexible Rechargeable Zn "Air Batteries. Nano-Micro Letters, 2020, 12, 68.	14.4	103
106	Three Dimensionally Free-Formable Graphene Foam with Designed Structures for Energy and Environmental Applications. ACS Nano, 2020, 14, 937-947.	7.3	101
107	All-in-one stretchable coaxial-fiber strain sensor integrated with high-performing supercapacitor. Energy Storage Materials, 2020, 25, 124-130.	9.5	100
108	Synthesizing Nanocrystalline Pb(Zn _{1/3} Nb _{2/3})O ₃ Powders from Mixed Oxides. Journal of the American Ceramic Society, 1999, 82, 477-479.	1.9	98

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109	Formation of Nanocrystalline Hydroxyapatite in Nonionic Surfactant Emulsions. <i>Langmuir</i> , 1999, 15, 7472-7477.	1.6	97
110	Processing of fine hydroxyapatite powders via an inverse microemulsion route. <i>Materials Letters</i> , 1996, 28, 431-436.	1.3	96
111	Mutual Ferromagneticâ€“Ferroelectric Coupling in Multiferroic Copperâ€“Doped ZnO. <i>Advanced Materials</i> , 2011, 23, 1635-1640.	11.1	96
112	Hybrid Fe ₂ O ₃ Nanoparticle Clusters/rGO Paper as an Effective Negative Electrode for Flexible Supercapacitors. <i>Chemistry of Materials</i> , 2016, 28, 7296-7303.	3.2	95
113	Surface nitridation of nickel-cobalt alloy nanocactoids raises the performance of water oxidation and splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118889.	10.8	95
114	Orientation dependence of ferroelectric behavior of BiFeO ₃ thin films. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	94
115	Manganeseâ€“Oxideâ€“Based Electrode Materials for Energy Storage Applications: How Close Are We to the Theoretical Capacitance?. <i>Advanced Materials</i> , 2018, 30, e1802569.	11.1	94
116	Recent Progress in Twoâ€“Dimensional Layered Double Hydroxides and Their Derivatives for Supercapacitors. <i>ChemSusChem</i> , 2020, 13, 1226-1254.	3.6	94
117	Engineering the Coordination Environment of Single Cobalt Atoms for Efficient Oxygen Reduction and Hydrogen Evolution Reactions. <i>ACS Catalysis</i> , 2021, 11, 4498-4509.	5.5	94
118	Recent Development of Advanced Electrode Materials by Atomic Layer Deposition for Electrochemical Energy Storage. <i>Advanced Science</i> , 2016, 3, 1500405.	5.6	93
119	Cage-confinement pyrolysis route to size-controlled molybdenum-based oxygen electrode catalysts: From isolated atoms to clusters and nanoparticles. <i>Nano Energy</i> , 2020, 67, 104288.	8.2	93
120	Enhanced Photocatalysis by Doping Cerium into Mesoporous Titania Thin Films. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21406-21412.	1.5	92
121	Ferroelectric Transistors with Nanowire Channel: Toward Nonvolatile Memory Applications. <i>ACS Nano</i> , 2009, 3, 700-706.	7.3	89
122	Electrical and magnetic properties of multiferroic BiFeO ₃ /CoFe ₂ O ₄ heterostructure. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	88
123	Photovoltaic effect in an indium-tin-oxide/ZnO/BiFeO ₃ /Pt heterostructure. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	85
124	Enlarged Interlayer Spacing in Cobaltâ€“Manganese Layered Double Hydroxide Guiding Transformation to Layered Structure for High Supercapacitance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23236-23243.	4.0	85
125	Z-scheme carbon-bridged Bi ₂ O ₃ /TiO ₂ nanotube arrays to boost photoelectrochemical detection performance. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 255-263.	10.8	85
126	Atomic layer deposition of Co ₃ O ₄ on carbon nanotubes/carbon cloth for high-capacitance and ultrastable supercapacitor electrode. <i>Nanotechnology</i> , 2015, 26, 094001.	1.3	84

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127	3D Graphene-Nickel Hydroxide Hydrogel Electrode for High-Performance Supercapacitor. <i>Electrochimica Acta</i> , 2016, 196, 653-660.	2.6	83
128	Ultrafine Molybdenum Carbide Nanocrystals Confined in Carbon Foams via a Colloid Confinement Route for Efficient Hydrogen Production. <i>Small Methods</i> , 2018, 2, 1700396.	4.6	83
129	Mechanically Activating Nucleation and Growth of Complex Perovskites. <i>Journal of Solid State Chemistry</i> , 2000, 154, 321-328.	1.4	81
130	Sintering temperature-induced electrical properties of (Ba _{0.90} Ca _{0.10})(Ti _{0.85} Zr _{0.15})O ₃ lead-free ceramics. <i>Materials Research Bulletin</i> , 2012, 47, 1281-1284.	2.7	81
131	Direct observation of room-temperature out-of-plane ferroelectricity and tunneling electroresistance at the two-dimensional limit. <i>Nature Communications</i> , 2018, 9, 3319.	5.8	81
132	NH ₄ V ₃ O ₈ ·0.5H ₂ O nanobelts with intercalated water molecules as a high performance zinc ion battery cathode. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1434-1443.	3.2	81
133	Effects of mechanical activation on the sintering and dielectric properties of oxide-derived PZT. <i>Acta Materialia</i> , 1999, 47, 2633-2639.	3.8	80
134	Multiferroic behavior and impedance spectroscopy of bilayered BiFeO ₃ /CoFe ₂ O ₄ thin films. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	80
135	2D Metal-Organic Frameworks Derived Nanocarbon Arrays for Substrate Enhancement in Flexible Supercapacitors. <i>Small</i> , 2018, 14, e1702641.	5.2	80
136	3D-Printing of Pure Metal-Organic Framework Monoliths. , 2019, 1, 147-153.		80
137	Strain stabilized nickel hydroxide nanoribbons for efficient water splitting. <i>Energy and Environmental Science</i> , 2020, 13, 229-237.	15.6	78
138	Binder-free 3D printing of covalent organic framework (COF) monoliths for CO ₂ adsorption. <i>Chemical Engineering Journal</i> , 2021, 403, 126333.	6.6	78
139	Size effect on the ferroelectric phase transition in SrBi ₂ Ta ₂ O ₉ nanoparticles. <i>Journal of Applied Physics</i> , 2003, 94, 618-620.	1.1	77
140	3D Nanostructure of Carbon Nanotubes Decorated Co ₃ O ₄ Nanowire Arrays for High Performance Supercapacitor Electrode. <i>Electrochimica Acta</i> , 2015, 163, 9-15.	2.6	77
141	Nanosized hydroxyapatite powders from microemulsions and emulsions stabilized by a biodegradable surfactant. <i>Journal of Materials Chemistry</i> , 1999, 9, 1635-1639.	6.7	75
142	Metal-organic framework-derived integrated nanoarrays for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9009-9018.	5.2	74
143	Hollow spheres of nanocarbon and their manganese dioxide hybrids derived from soft template for supercapacitor application. <i>Journal of Power Sources</i> , 2013, 240, 713-720.	4.0	73
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