

John Wang

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576
papers

39,143
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181
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597
ext. papers

45,278
ext. citations

8.1
avg, IF

7.8
L-index

#	Paper	IF	Citations
576	Epitaxial BiFeO ₃ multiferroic thin film heterostructures. <i>Science</i> , 2003 , 299, 1719-22	33.3	4944
575	Pseudocapacitive Contributions to Electrochemical Energy Storage in TiO ₂ (Anatase) Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 14925-14931	3.8	2814
574	Ordered mesoporous alpha-MoO ₃ with iso-oriented nanocrystalline walls for thin-film pseudocapacitors. <i>Nature Materials</i> , 2010 , 9, 146-51	27	2261
573	Multiferroic BaTiO ₃ -CoFe ₂ O ₄ Nanostructures. <i>Science</i> , 2004 , 303, 661-3	33.3	1872
572	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	21.8	650
571	Graphene-based materials for supercapacitor electrodes A review. <i>Journal of Materiomics</i> , 2016 , 2, 37-54	6.7	451
570	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, 11615-7	5.8	448
569	Hafnia and hafnia-toughened ceramics. <i>Journal of Materials Science</i> , 1992 , 27, 5397-5430	4.3	430
568	Two dimensional hexagonal boron nitride (2D-hBN): synthesis, properties and applications. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11992-12022	7.1	421
567	Hollow Mo-doped CoP nanoarrays for efficient overall water splitting. <i>Nano Energy</i> , 2018 , 48, 73-80	17.1	418
566	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	24	389
565	Iron oxide-decorated carbon for supercapacitor anodes with ultrahigh energy density and outstanding cycling stability. <i>ACS Nano</i> , 2015 , 9, 5198-207	16.7	375
564	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	24	367
563	Multiferroic bismuth ferrite-based materials for multifunctional applications: Ceramic bulks, thin films and nanostructures. <i>Progress in Materials Science</i> , 2016 , 84, 335-402	42.2	348
562	Hollow Co O Nanosphere Embedded in Carbon Arrays for Stable and Flexible Solid-State Zinc-Air Batteries. <i>Advanced Materials</i> , 2017 , 29, 1704117	24	325
561	Zirconia-toughened alumina (ZTA) ceramics. <i>Journal of Materials Science</i> , 1989 , 24, 3421-3440	4.3	303
560	In Situ Grown Epitaxial Heterojunction Exhibits High-Performance Electrocatalytic Water Splitting. <i>Advanced Materials</i> , 2018 , 30, e1705516	24	273

559	Ferroelectricity of CH ₃ NH ₃ PbI ₃ Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1155-61	6.4	260
558	Single Co Atoms Anchored in Porous N-Doped Carbon for Efficient Zinc-Air Battery Cathodes. <i>ACS Catalysis</i> , 2018 , 8, 8961-8969	13.1	250
557	Epitaxial BiFeO ₃ thin films on Si. <i>Applied Physics Letters</i> , 2004 , 85, 2574-2576	3.4	227
556	Effects of grain size on the dielectric properties and tunabilities of sol-gel derived Ba(Zr _{0.2} Ti _{0.8})O ₃ ceramics. <i>Solid State Communications</i> , 2004 , 131, 163-168	1.6	217
555	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	21.8	213
554	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	6.7	211
553	Cactus-Like NiCoP/NiCo-OH 3D Architecture with Tunable Composition for High-Performance Electrochemical Capacitors. <i>Advanced Functional Materials</i> , 2018 , 28, 1800036	15.6	206
552	Sulfur-doped cobalt phosphide nanotube arrays for highly stable hybrid supercapacitor. <i>Nano Energy</i> , 2017 , 39, 162-171	17.1	202
551	Metal Phosphides and Phosphates-based Electrodes for Electrochemical Supercapacitors. <i>Small</i> , 2017 , 13, 1701530	11	197
550	Oxygen-vacancy-related relaxation and scaling behaviors of Bi _{0.9} La _{0.1} Fe _{0.98} Mg _{0.02} O ₃ ferroelectric thin films. <i>Physical Review B</i> , 2010 , 82,	3.3	192
549	Mechanochemical synthesis of nanocrystalline hydroxyapatite from CaO and CaHPO ₄ . <i>Biomaterials</i> , 2001 , 22, 2705-12	15.6	191
548	Metal-organic framework derived hollow CoS nanotube arrays: an efficient bifunctional electrocatalyst for overall water splitting. <i>Nanoscale Horizons</i> , 2017 , 2, 342-348	10.8	189
547	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	13	186
546	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	10.8	183
545	Silica-based nanocapsules: synthesis, structure control and biomedical applications. <i>Chemical Society Reviews</i> , 2015 , 44, 315-35	58.5	179
544	MOF-derived nanohybrids for electrocatalysis and energy storage: current status and perspectives. <i>Chemical Communications</i> , 2018 , 54, 5268-5288	5.8	177
543	CuO nanowires synthesized by thermal oxidation route. <i>Journal of Alloys and Compounds</i> , 2008 , 454, 268-273	5.7	175
542	Synthesis of Fe ₃ O ₄ nanoparticles from emulsions. <i>Journal of Materials Chemistry</i> , 2001 , 11, 1704-1709		173

541	Composition and poling condition-induced electrical behavior of (Ba _{0.85} Ca _{0.15})(Ti _{1-x} Zr _x)O ₃ lead-free piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 891-898	6	172
540	Surface-Charge-Mediated Formation of H-TiO @Ni(OH) Heterostructures for High-Performance Supercapacitors. <i>Advanced Materials</i> , 2017 , 29, 1604164	24	169
539	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	13.1	168
538	Controllable MnCo ₂ S ₄ nanostructures for high performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7494-7506	13	157
537	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	19.4	157
536	Improving the magnetic properties of hydrothermally synthesized barium ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 195, 452-459	2.8	157
535	Role of room-temperature phase transition in the electrical properties of (Ba, Ca)(Ti, Zr)O ₃ ceramics. <i>Scripta Materialia</i> , 2011 , 65, 771-774	5.6	155
534	TMD-based highly efficient electrocatalysts developed by combined computational and experimental approaches. <i>Chemical Society Reviews</i> , 2018 , 47, 4332-4356	58.5	154
533	NiFe ₂ O ₄ nanoparticles formed in situ in silica matrix by mechanical activation. <i>Journal of Applied Physics</i> , 2002 , 91, 6015-6020	2.5	154
532	NiFe ₂ O ₄ ultrafine particles prepared by co-precipitation/mechanical alloying. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 205, 249-254	2.8	146
531	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	15.6	144
530	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	21.8	143
529	All-Solid-State Fiber Supercapacitors with Ultrahigh Volumetric Energy Density and Outstanding Flexibility. <i>Advanced Energy Materials</i> , 2019 , 9, 1802753	21.8	140
528	Generation and dynamics of an endogenous, self-generated signaling gradient across a migrating tissue. <i>Cell</i> , 2013 , 155, 674-87	56.2	139
527	Intrinsically fluorescent nitrogen-containing carbon nanoparticles synthesized by a hydrothermal process. <i>Carbon</i> , 2011 , 49, 5207-5212	10.4	139
526	Synthesis and piezoresponse of highly ordered Pb(Zr _{0.53} Ti _{0.47})O ₃ nanowire arrays. <i>Applied Physics Letters</i> , 2004 , 85, 4190-4192	3.4	138
525	3D-Printed MOF-Derived Hierarchically Porous Frameworks for Practical High-Energy Density LiO ₂ Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1806658	15.6	138
524	Flexible Asymmetric Supercapacitor Based on Structure-Optimized Mn ₃ O ₄ /Reduced Graphene Oxide Nanohybrid Paper with High Energy and Power Density. <i>Advanced Functional Materials</i> , 2015 , 25, 7291-7299	15.6	137

523	Mechanochemical Synthesis of Lead Zirconate Titanate from Mixed Oxides. <i>Journal of the American Ceramic Society</i> , 1999 , 82, 1687-1692	3.8	136
522	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	2.8	135
521	Transparent nanohybrids of nanocrystalline TiO ₂ in PMMA with unique nonlinear optical behavior. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1475		131
520	BiFeO ₃ thin films of (111)-orientation deposited on SrRuO ₃ buffered Pt/TiO ₂ /SiO ₂ /Si(100) substrates. <i>Acta Materialia</i> , 2010 , 58, 1688-1697	8.4	130
519	Ni-Doped Cobalt-Cobalt Nitride Heterostructure Arrays for High-Power Supercapacitors. <i>ACS Energy Letters</i> , 2018 , 3, 2462-2469	20.1	129
518	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	2.6	128
517	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	15.6	126
516	Ferroelectric and Impedance Behavior of La- and Ti-Codoped BiFeO ₃ Thin Films. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2795-2803	3.8	126
515	Controlling the crystallinity and nonlinear optical properties of transparent TiO ₂ /PMMA nanohybrids. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2978-2987		125
514	Processing of hydroxyapatite via microemulsion and emulsion routes. <i>Biomaterials</i> , 1997 , 18, 1433-9	15.6	121
513	Electrocatalytic reduction of oxygen by a platinum nanoparticle/carbon nanotube composite electrode. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 577, 295-302	4.1	119
512	Bimetallic Nickel Cobalt Sulfide as Efficient Electrocatalyst for Zn-Air Battery and Water Splitting. <i>Nano-Micro Letters</i> , 2019 , 11, 2	19.5	119
511	Hierarchical Micro-Nano Sheet Arrays of Nickel-Cobalt Double Hydroxides for High-Rate Ni-Zn Batteries. <i>Advanced Science</i> , 2019 , 6, 1802002	13.6	118
510	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	15.6	118
509	One-dimensional and two-dimensional synergized nanostructures for high-performing energy storage and conversion. <i>Information Materials</i> , 2020 , 2, 3-32	23.1	116
508	Ferroelectric and electrical behavior of (Na _{0.5} Bi _{0.5})TiO ₃ thin films. <i>Applied Physics Letters</i> , 2004 , 85, 804-806	3.4	113
507	Ferroelectric HfO ₂ -based materials for next-generation ferroelectric memories. <i>Journal of Advanced Dielectrics</i> , 2016 , 06, 1630003	1.3	108
506	Self-Powered Water-Splitting Devices by Core-Shell NiFe@N-Graphite-Based Zn-Air Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1706928	15.6	104

505	Stitching of Zn(OH)VO ₂ /HO 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	16.7	104
504	Heterojunction engineering of MoSe ₂ /MoS ₂ with electronic modulation towards synergetic hydrogen evolution reaction and supercapacitance performance. <i>Chemical Engineering Journal</i> , 2019 , 359, 1419-1426	14.7	104
503	Ferromagnetic, ferroelectric, and fatigue behavior of (111)-oriented BiFeO ₃ /(Bi _{1/2} Na _{1/2})TiO ₃ lead-free bilayered thin films. <i>Applied Physics Letters</i> , 2009 , 94, 172906	3.4	103
502	Fabrication of (NH ₄) ₂ V ₃ O ₈ nanoparticles encapsulated in amorphous carbon for high capacity electrodes in aqueous zinc ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 382, 122844	14.7	102
501	Ultrafast optical nonlinearity in poly(methylmethacrylate)-TiO ₂ nanocomposites. <i>Applied Physics Letters</i> , 2003 , 82, 2691-2693	3.4	101
500	Gold-Cluster Sensors Formed Electrochemically at Boron-Doped-Diamond Electrodes: Detection of Dopamine in the Presence of Ascorbic Acid and Thiols. <i>Advanced Functional Materials</i> , 2005 , 15, 639-647	15.6	101
499	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. <i>Journal of Alloys and Compounds</i> , 2011 , 509, L359-L361	5.7	98
498	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	13	97
497	Ceramic-based membranes for water and wastewater treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 578, 123513	5.1	96
496	An improvement in processing of hydroxyapatite ceramics. <i>Journal of Materials Science</i> , 1995 , 30, 3061-3074	13.4	96
495	Synergizing Mo Single Atoms and Mo C Nanoparticles on CNTs Synchronizes Selectivity and Activity of Electrocatalytic N Reduction to Ammonia. <i>Advanced Materials</i> , 2020 , 32, e2002177	24	93
494	2D carbide nanomeshes and their assembling into 3D microflowers for efficient water splitting. <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 678-685	21.8	92
493	Potential-Dependent Phase Transition and Mo-Enriched Surface Reconstruction of FeCoOOH in a Heterostructured Co-Mo ₂ C Precatalyst Enable Water Oxidation. <i>ACS Catalysis</i> , 2020 , 10, 4411-4419	13.1	88
492	Orientation dependence of ferroelectric behavior of BiFeO ₃ thin films. <i>Journal of Applied Physics</i> , 2009 , 106, 104111	2.5	88
491	Processing of fine hydroxyapatite powders via an inverse microemulsion route. <i>Materials Letters</i> , 1996 , 28, 431-436	3.3	88
490	Hollow Carbon Nanoparticles of Tunable Size and Wall Thickness by Hydrothermal Treatment of Cyclodextrin Templated by F127 Block Copolymers. <i>Chemistry of Materials</i> , 2013 , 25, 704-710	9.6	86
489	Formation of Nanocrystalline Hydroxyapatite in Nonionic Surfactant Emulsions. <i>Langmuir</i> , 1999 , 15, 7472-7477	17.6	86
488	Mutual ferromagnetic-ferroelectric coupling in multiferroic copper-doped ZnO. <i>Advanced Materials</i> , 2011 , 23, 1635-40	24	85

487	Synthesizing Nanocrystalline Pb(Zn _{1/3} Nb _{2/3})O ₃ Powders from Mixed Oxides. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 477-479	3.8	85
486	Conformally deposited NiO on a hierarchical carbon support for high-power and durable asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23283-23288	13	82
485	Ferroelectric transistors with nanowire channel: toward nonvolatile memory applications. <i>ACS Nano</i> , 2009 , 3, 700-6	16.7	82
484	CuCoS 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	13.6	81
483	Multiferroic behavior and impedance spectroscopy of bilayered BiFeO ₃ /CoFe ₂ O ₄ thin films. <i>Journal of Applied Physics</i> , 2009 , 105, 124107	2.5	79
482	Activation of the MoSe ₂ basal plane and Se-edge by B doping for enhanced hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 510-515	13	79
481	Electrical and magnetic properties of multiferroic BiFeO ₃ /CoFe ₂ O ₄ heterostructure. <i>Journal of Applied Physics</i> , 2008 , 104, 034106	2.5	78
480	Recent Development of Advanced Electrode Materials by Atomic Layer Deposition for Electrochemical Energy Storage. <i>Advanced Science</i> , 2016 , 3, 1500405	13.6	78
479	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	14.7	77
478	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	9.6	77
477	In situ coupled amorphous cobalt nitride with nitrogen-doped graphene aerogel as a trifunctional electrocatalyst towards Zn-air battery driven full water splitting. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118100	21.8	76
476	3D Graphene-Nickel Hydroxide Hydrogel Electrode for High-Performance Supercapacitor. <i>Electrochimica Acta</i> , 2016 , 196, 653-660	6.7	75
475	Enhanced Photocatalysis by Doping Cerium into Mesoporous Titania Thin Films. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21406-21412	3.8	75
474	Mechanically Activating Nucleation and Growth of Complex Perovskites. <i>Journal of Solid State Chemistry</i> , 2000 , 154, 321-328	3.3	74
473	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	5.1	72
472	Photovoltaic effect in an indium-tin-oxide/ZnO/BiFeO ₃ /Pt heterostructure. <i>Applied Physics Letters</i> , 2014 , 105, 162903	3.4	71
471	Effects of mechanical activation on the sintering and dielectric properties of oxide-derived PZT. <i>Acta Materialia</i> , 1999 , 47, 2633-2639	8.4	70
470	Zn Pre-Intercalation Stabilizes the Tunnel Structure of MnO Nanowires and Enables Zinc-Ion Hybrid Supercapacitor of Battery-Level Energy Density. <i>Small</i> , 2020 , 16, e2000091	11	69

469	Control of Synaptic Plasticity Learning of Ferroelectric Tunnel Memristor by Nanoscale Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12862-12869	9.5	69
468	Ultrafine Molybdenum Carbide Nanocrystals Confined in Carbon Foams via a Colloid-Confinement Route for Efficient Hydrogen Production. <i>Small Methods</i> , 2018 , 2, 1700396	12.8	69
467	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	2.5	69
466	Manganese-Oxide-Based Electrode Materials for Energy Storage Applications: How Close Are We to the Theoretical Capacitance?. <i>Advanced Materials</i> , 2018 , 30, e1802569	24	68
465	Nanosized hydroxyapatite powders from microemulsions and emulsions stabilized by a biodegradable surfactant. <i>Journal of Materials Chemistry</i> , 1999 , 9, 1635-1639		67
464	All-in-one stretchable coaxial-fiber strain sensor integrated with high-performing supercapacitor. <i>Energy Storage Materials</i> , 2020 , 25, 124-130	19.4	67
463	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	3.4	66
462	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	8.9	66
461	Manipulating unidirectional fluid transportation to drive sustainable solar water extraction and brine-drenching induced energy generation. <i>Energy and Environmental Science</i> , 2020 , 13, 4891-4902	35.4	66
460	Diblock Copolymer Templated Nanohybrid Thin Films of Highly Ordered TiO ₂ Nanoparticle Arrays in PMMA Matrix. <i>Chemistry of Materials</i> , 2006 , 18, 5876-5889	9.6	65
459	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	17.1	65
458	Efficient Hydrogen Evolution of Oxidized Ni-N Defective Sites for Alkaline Freshwater and Seawater Electrolysis. <i>Advanced Materials</i> , 2021 , 33, e2003846	24	65
457	Heterogeneous Single Atom Electrocatalysis, Where 'Singles' Are 'Married'. <i>Advanced Energy Materials</i> , 2020 , 10, 1903181	21.8	64
456	Surfactant-modified chemically reduced graphene oxide for electrochemical supercapacitors. <i>RSC Advances</i> , 2014 , 4, 26398-26406	3.7	64
455	Substrate-Assisted Crystallization and Photocatalytic Properties of Mesoporous TiO ₂ Thin Films. <i>Chemistry of Materials</i> , 2006 , 18, 2917-2923	9.6	64
454	2D Metal-Organic Frameworks Derived Nanocarbon Arrays for Substrate Enhancement in Flexible Supercapacitors. <i>Small</i> , 2018 , 14, e1702641	11	63
453	Synthesis of monodispersed SnO ₂ @C composite hollow spheres for lithium ion battery anode applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17448		63
452	Ferroelectric domains and piezoelectricity in monocrystalline Pb(Zr,Ti)O ₃ nanowires. <i>Applied Physics Letters</i> , 2007 , 90, 133107	3.4	63

451	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	21.8	62
450	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	6.7	62
449	3D TiO ₂ @Ni(OH) ₂ Core-shell Arrays with Tunable Nanostructure for Hybrid Supercapacitor Application. <i>Scientific Reports</i> , 2015 , 5, 13940	4.9	62
448	Effects of SrRuO ₃ buffer layer thickness on multiferroic (Bi _{0.90} La _{0.10})(Fe _{0.95} Mn _{0.05})O ₃ thin films. <i>Journal of Applied Physics</i> , 2009 , 106, 054115	2.5	62
447	Photoluminescence and Raman scattering studies on PbTiO ₃ nanowires fabricated by hydrothermal method at low temperature. <i>Applied Physics Letters</i> , 2006 , 88, 193120	3.4	62
446	Activation of sucrose-derived carbon spheres for high-performance supercapacitor electrodes. <i>RSC Advances</i> , 2015 , 5, 9307-9313	3.7	61
445	Giant strain in PbZr _{0.2} Ti _{0.8} O ₃ nanowires. <i>Applied Physics Letters</i> , 2007 , 90, 052902	3.4	61
444	Surface nitridation of nickel-cobalt alloy nanocactoids raises the performance of water oxidation and splitting. <i>Applied Catalysis B: Environmental</i> , 2020 , 270, 118889	21.8	60
443	Leakage mechanism of cation -modified BiFeO ₃ thin film. <i>AIP Advances</i> , 2011 , 1, 022138	1.5	60
442	Multiferroic BiFeO ₃ thin films deposited on SrRuO ₃ buffer layer by rf sputtering. <i>Journal of Applied Physics</i> , 2007 , 101, 054104	2.5	60
441	Porous NiCo ₂ S ₄ /FeOOH nanowire arrays with rich sulfide/hydroxide interfaces enable high OER activity. <i>Nano Energy</i> , 2020 , 78, 105230	17.1	60
440	PEOlated Micelle/Silica as Dual-Layer Protection of Quantum Dots for Stable and Targeted Bioimaging. <i>Chemistry of Materials</i> , 2013 , 25, 2976-2985	9.6	59
439	Migration kinetics of oxygen vacancies in Mn-modified BiFeO ₃ thin films. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2504-11	9.5	58
438	Electrical behavior and oxygen vacancies in BiFeO ₃ /[(Bi _{1/2} Na _{1/2}) _{0.94} Ba _{0.06}]TiO ₃ thin film. <i>Applied Physics Letters</i> , 2009 , 95, 192901	3.4	58
437	Origin of a Tetragonal BiFeO ₃ Phase with a Giant c/a Ratio on SrTiO ₃ Substrates. <i>Advanced Functional Materials</i> , 2012 , 22, 937-942	15.6	57
436	Bifunctional Oxygen Electrocatalyst of Mesoporous Ni/NiO Nanosheets for Flexible Rechargeable Zn-Air Batteries. <i>Nano-Micro Letters</i> , 2020 , 12, 68	19.5	56
435	Ultrafine ferrite particles prepared by coprecipitation/mechanical milling. <i>Materials Letters</i> , 2000 , 44, 19-22	3.3	56
434	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	17.1	56

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- 1 3D spray-coated gradient profile ceramic membranes enables improved filtration performance in aerobic submerged membrane bioreactor. *Water Research*, **2022**, 220, 118661 12.5