

Bin Zhao

List of Publications by Year in descending order

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136
papers

5,603
citations

117453

34
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88477

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all docs

140
docs citations

140
times ranked

8765
citing authors

#	ARTICLE	IF	CITATIONS
1	Tribological Behavior and Corrosion Resistance of S30432 Steel after Different Shot Peening Processes. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 1250-1258.	1.2	6
2	Scalable fabrication of NiCo ₂ O ₄ /reduced graphene oxide composites by ultrasonic spray as binder-free electrodes for supercapacitors with ultralong lifetime. <i>Journal of Materials Science and Technology</i> , 2022, 99, 260-269.	5.6	56
3	Preparation and mechanism of Cu/GO/Cu laminated composite foils with improved thermal conductivity and mechanical property by architectural design. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164085.	2.8	7
4	Crumpled graphene microspheres anchored on NiCo ₂ O ₄ nanoparticles as an advanced composite electrode for asymmetric supercapacitors with ultralong cycling life. <i>Dalton Transactions</i> , 2022, 51, 4491-4501.	1.6	9
5	Na ⁺ pre-intercalated Na _{0.11} MnO ₂ on three-dimensional graphene as cathode for aqueous zinc ion hybrid supercapacitor with high energy density. <i>Carbon</i> , 2022, 198, 46-56.	5.4	31
6	V ₂ CTx MXene as novel anode for aqueous asymmetric supercapacitor with superb durability in ZnSO ₄ electrolyte. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 59-67.	5.0	19
7	V ₂ O ₅ /vertically-aligned carbon nanotubes as negative electrode for asymmetric supercapacitor in neutral aqueous electrolyte. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 847-856.	5.0	75
8	Preparation of electro-reduced graphene oxide/copper composite foils with simultaneously enhanced thermal and mechanical properties by DC electro-deposition method. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 805, 140574.	2.6	25
9	Fe ₃ O ₄ nanoplates anchored on Ti ₃ C ₂ T _x MXene with enhanced pseudocapacitive and electrocatalytic properties. <i>Nanoscale</i> , 2021, 13, 15343-15351.	2.8	20
10	An overview of polyester/hydroxyapatite composites for bone tissue repairing. <i>Journal of Orthopaedic Translation</i> , 2021, 28, 118-130.	1.9	27
11	N and Mn dual-doped cactus-like cobalt oxide nanoarchitecture derived from cobalt carbonate hydroxide as efficient electrocatalysts for oxygen evolution reactions. <i>Journal of Colloid and Interface Science</i> , 2021, 597, 361-369.	5.0	25
12	Controlling the radiative damping of an on-chip artificial magnon mode. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	1
13	Surface characteristic and wear resistance of QT-700-2 nodular cast iron after laser quenching combing with shot peening treatment. <i>Surface and Coatings Technology</i> , 2021, 423, 127589.	2.2	18
14	Fabrication of graphite/Cu composite foils with ultrahigh thermal conductivity by adding an intermediate nickel layer and vacuum hot pressing treatment. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161228.	2.8	15
15	Facile fabrication of GO/Al composites with improved dispersion of graphene and enhanced mechanical properties by Cu doping and powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152465.	2.8	17
16	Plasma-assisted synthesis of hierarchical NiCoxPy nanosheets as robust and stable electrocatalyst for hydrogen evolution reaction in both acidic and alkaline media. <i>Electrochimica Acta</i> , 2020, 331, 135431.	2.6	26
17	Larmor Precession: Observation and Utilization for Boosting the Signal Intensity of Radio Frequency Glow Discharge Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 9528-9535.	3.2	6
18	Adhesive graphene grown on bioceramics with photothermal property. <i>Materials Today Chemistry</i> , 2020, 17, 100322.	1.7	5

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19	Molybdenum Tungsten Oxide Nanowires Rich in Oxygen Vacancies as An Advanced Electrocatalyst for Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2984-2991.	1.7	14
20	Metal-organic framework-derived hierarchical ultrathin CoP nanosheets for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19254-19261.	5.2	111
21	Fabrication of Cu/graphite film/Cu sandwich composites with ultrahigh thermal conductivity for thermal management applications. <i>Frontiers of Materials Science</i> , 2020, 14, 188-197.	1.1	8
22	Hierarchical Mo-doped CoP ₃ interconnected nanosheet arrays on carbon cloth as an efficient bifunctional electrocatalyst for water splitting in an alkaline electrolyte. <i>Dalton Transactions</i> , 2020, 49, 5563-5572.	1.6	30
23	Bifunctional nickel ferrite-decorated carbon nanotube arrays as free-standing air electrode for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5070-5077.	5.2	43
24	Fe-Doped Ni-Co Phosphide Nanoplates with Planar Defects as an Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7436-7444.	3.2	103
25	An approach to prepare uniform graphene oxide/aluminum composite powders by simple electrostatic interaction in water/alcohol solution. <i>Frontiers of Materials Science</i> , 2019, 13, 375-381.	1.1	1
26	Defective crystalline molybdenum phosphides as bifunctional catalysts for hydrogen evolution and hydrazine oxidation reactions during water splitting. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2686-2695.	3.0	27
27	Photoluminescence and Photodetecting Properties of the Hydrothermally Synthesized Nitrogen-Doped Carbon Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25570-25578.	1.5	32
28	Engineering of molybdenum sulfide nanostructures towards efficient electrocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 15009-15016.	3.8	21
29	Ultrasml Co ₂ P ₂ O ₇ nanocrystals anchored on nitrogen-doped graphene as efficient electrocatalysts for the oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2019, 43, 6492-6499.	1.4	13
30	Supercritical CO ₂ -Assisted synthesis of NiFe ₂ O ₄ /vertically-aligned carbon nanotube arrays hybrid as a bifunctional electrocatalyst for efficient overall water splitting. <i>Carbon</i> , 2019, 145, 201-208.	5.4	70
31	Graphene oxide/Al composites with enhanced mechanical properties fabricated by simple electrostatic interaction and powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2019, 775, 233-240.	2.8	39
32	Millimeter-Long Vertically Aligned Carbon Nanotube-Supported Co ₃ O ₄ Composite Electrode for High-Performance Asymmetric Supercapacitor. <i>ChemElectroChem</i> , 2018, 5, 1394-1400.	1.7	32
33	<sc>SRR</sc> intronic variation inhibits expression of its neighbouring <sc>SMG</sc>6 gene and protects against temporal lobe epilepsy. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 1883-1893.	1.6	5
34	Genome-Wide Association and Functional Studies Identify <i>SCML4</i> and <i>THSD7A</i> as Novel Susceptibility Genes for Coronary Artery Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 964-975.	1.1	32
35	Electron critical gradient scale length measurements of ICRF heated L-mode plasmas at Alcator C-Mod tokamak. <i>Physics of Plasmas</i> , 2018, 25, 042305.	0.7	4
36	Shaking table test and numerical simulation on vibration control effects of TMD with different mass ratios on a super high-rise structure. <i>Structural Design of Tall and Special Buildings</i> , 2018, 27, e1470.	0.9	13

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37	Improved Lubricating Performance by Combining Oil-Soluble Hairy Silica Nanoparticles and an Ionic Liquid as an Additive for a Synthetic Base Oil. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15129-15139.	4.0	51
38	Direct growth of 3D host on Cu foil for stable lithium metal anode. <i>Energy Storage Materials</i> , 2018, 13, 323-328.	9.5	92
39	A Triple Functional Approach To Simultaneously Determine the Type, Concentration, and Size of Titanium Dioxide Particles. <i>Environmental Science & Technology</i> , 2018, 52, 2863-2869.	4.6	20
40	Nitrogen-doped graphene-supported molybdenum dioxide electrocatalysts for oxygen reduction reaction. <i>Journal of Materials Science</i> , 2018, 53, 6124-6134.	1.7	11
41	ACE2&EPC&EXs protect ageing ECs against hypoxia/reoxygenation&induced injury through the miR&18a/Nox2/ROS pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 1873-1882.	1.6	60
42	Bio-inspired design of hierarchical FeP nanostructure arrays for the hydrogen evolution reaction. <i>Nano Research</i> , 2018, 11, 3537-3547.	5.8	78
43	Quantitative study on strength development of earth-based construction prepared by organic clay and high-efficiency soil stabilizer. <i>Construction and Building Materials</i> , 2018, 174, 520-528.	3.2	11
44	Integrated agronomic practices management improve yield and nitrogen balance in double cropping of winter wheat-summer maize. <i>Field Crops Research</i> , 2018, 221, 196-206.	2.3	58
45	The development of an extra-anatomic tissue-engineered artery with collateral arteries for therapeutic angiogenesis in ischemic hind limb. <i>Scientific Reports</i> , 2018, 8, 4627.	1.6	3
46	Mapping Forest and Their Spatial&Temporal Changes From 2007 to 2015 in Tropical Hainan Island by Integrating ALOS/ALOS-2 L-Band SAR and Landsat Optical Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 852-867.	2.3	35
47	Quasi&Emulsion Confined Synthesis of Edge&Rich Ultrathin MoS₂ Nanosheets/Graphene Hybrid for Enhanced Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2018, 24, 556-560.	1.7	55
48	Investigation on surface layer characteristics of shot peened graphene reinforced Al composite by X-ray diffraction method. <i>Applied Surface Science</i> , 2018, 435, 1257-1264.	3.1	38
49	Stability of heavy metals in soil washing residue with and without biochar addition under accelerated ageing. <i>Science of the Total Environment</i> , 2018, 619-620, 185-193.	3.9	96
50	Mesoporous Silicon Microspheres Produced from In Situ Magnesiothermic Reduction of Silicon Oxide for High-Performance Anode Material in Sodium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2018, 13, 275.	3.1	12
51	Analysis of recrystallization behavior of shot peened graphene reinforced Al composites during isothermal annealing by X-ray diffraction method. <i>Journal of Alloys and Compounds</i> , 2018, 765, 862-868.	2.8	13
52	Roles of NUCKS1 in Diseases: Susceptibility, Potential Biomarker, and Regulatory Mechanisms. <i>BioMed Research International</i> , 2018, 2018, 1-7.	0.9	30
53	Metal/covalent&organic frameworks-based electrocatalysts for water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15905-15926.	5.2	258
54	Type&D-Dependent Responses of Ice Cloud Properties to Aerosols From Satellite Retrievals. <i>Geophysical Research Letters</i> , 2018, 45, 3297-3306.	1.5	33

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55	Three-dimensional porous graphene/nickel cobalt mixed oxide composites for high-performance hybrid supercapacitor. <i>Ceramics International</i> , 2018, 44, 21848-21854.	2.3	24
56	A two-step approach to synthesis of Co(OH) ₂ /NiOOH/reduced graphene oxide nanocomposite for high performance supercapacitors. <i>Frontiers of Materials Science</i> , 2018, 12, 273-282.	1.1	3
57	Search for three-nucleon short-range correlations in light nuclei. <i>Physical Review C</i> , 2018, 97, .	1.1	14
58	Rapid detection of TiO ₂ (E171) in table sugar using Raman spectroscopy. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 1-9.	1.1	5
59	INVESTIGATION OF SURFACE GRADIENT MICROSTRUCTURE OF SHOT PEENED S30432 STEEL BY X-RAY LINE PROFILE ANALYSIS METHOD. <i>Surface Review and Letters</i> , 2017, 24, 1750078.	0.5	3
60	Graphene/polyaniline@carbon cloth composite as a high-performance flexible supercapacitor electrode prepared by a one-step electrochemical co-deposition method. <i>RSC Advances</i> , 2017, 7, 7688-7693.	1.7	76
61	Co(OH) ₂ nanoflakes grown on 3D graphene foam as a binder-free hybrid electrode for high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7884-7891.	1.1	12
62	Low turn-on and uniform field emission from structurally engineered carbon nanotube arrays through growth on metal wire mesh substrates. <i>Materials Research Express</i> , 2017, 4, 105041.	0.8	14
63	Cobalt sulfide supported on nitrogen and sulfur dual-doped reduced graphene oxide for highly active oxygen reduction reaction. <i>RSC Advances</i> , 2017, 7, 50246-50253.	1.7	32
64	Direct preparation of hierarchical macroporous α -SiC using SiO ₂ opal as both template and precursor and its application in water splitting. <i>Materials Technology</i> , 2016, 31, 526-531.	1.5	2
65	Assembling pore-rich FeP nanorods on the CNT backbone as an advanced electrocatalyst for oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13005-13010.	5.2	82
66	A review on noble-metal-free bifunctional heterogeneous catalysts for overall electrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17587-17603.	5.2	1,037
67	Electric writing and its retention behavior in ferroelectric 0.94(Bi _{0.5} Na _{0.5})TiO ₃ -0.06BaTiO ₃ thin films investigated by piezoelectric force microscopy. <i>Ferroelectrics</i> , 2016, 500, 276-282.	0.3	1
68	Fe ₂ O ₃ -decorated millimeter-long vertically aligned carbon nanotube arrays as advanced anode materials for asymmetric supercapacitors with high energy and power densities. <i>Journal of Materials Chemistry A</i> , 2016, 4, 19026-19036.	5.2	62
69	Co-supported catalysts on nitrogen and sulfur co-doped vertically-aligned carbon nanotubes for oxygen reduction reaction. <i>RSC Advances</i> , 2016, 6, 32676-32684.	1.7	7
70	High-performance Supercapacitor Applications of NiO Nanoparticle-Decorated Millimeter-Long Vertically Aligned Carbon Nanotube Arrays via an Effective Supercritical CO ₂ -Assisted Method. <i>Advanced Functional Materials</i> , 2015, 25, 7381-7391.	7.8	90
71	Hydrothermal synthesis of Ni(OH) ₂ nanoflakes on 3D graphene foam for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2015, 173, 399-407.	2.6	82
72	Influence of annealing temperature on oxygen reduction activity of sputtered Co catalysts on vertically-aligned carbon nanotubes. <i>Electrochimica Acta</i> , 2015, 161, 72-79.	2.6	8

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73	Effect of drying conditions on the structure of three-dimensional N-doped graphene and its electrochemical performance. <i>RSC Advances</i> , 2015, 5, 19838-19843.	1.7	16
74	Enhanced microwave absorption performance of polyaniline-coated CNT hybrids by plasma-induced graft polymerization. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 379-386.	1.1	46
75	Flexible cathodes and multifunctional interlayers based on carbonized bacterial cellulose for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10910-10918.	5.2	155
76	Electrocatalysis of Oxygen Reduction Reaction on Carbon Nanotubes Modified by Graphitization and Amination. <i>ECS Electrochemistry Letters</i> , 2015, 4, H33-H37.	1.9	11
77	Leveraging master-slave OpenFlow controller arrangement to improve control plane resiliency in SD-EONs. <i>Optics Express</i> , 2015, 23, 7550.	1.7	26
78	Investigation of performance enhancement in InAs/InGaAs heterojunction-enhanced N-channel tunneling field-effect transistor. <i>Superlattices and Microstructures</i> , 2015, 88, 90-98.	1.4	10
79	Genetic Association of MiR-146a with Multiple Sclerosis Susceptibility in the Chinese Population. <i>Cellular Physiology and Biochemistry</i> , 2015, 35, 281-291.	1.1	48
80	Preparation and Transport Performances of High-Density, Aligned Carbon Nanotube Membranes. <i>Nanoscale Research Letters</i> , 2015, 10, 970.	3.1	24
81	In situ growth of NiO nanoparticles on graphene as a high-performance anode material for lithium-ion battery anodes with enhanced strain accommodation. <i>RSC Advances</i> , 2015, 5, 4385-4388.	1.7	17
82	Mesoporous silicon microspheres fabricated via in situ magnesiothermic reduction of silicon oxide as a high-performance anode material for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 935-939.	1.2	21
83	Facile Synthesis of Hematite Quantum Dot/Functionalized Graphene Sheet Composites as Advanced Anode Materials for Asymmetric Supercapacitors. <i>Advanced Functional Materials</i> , 2015, 25, 627-635.	7.8	398
84	Non-Precious Metal Oxygen Reduction Electrocatalyst from Pyrolyzing Cobalt Tetraethylenepentamine Complex on Carbon. <i>Journal of the Electrochemical Society</i> , 2014, 161, F925-F932.	1.3	10
85	Highly active electrocatalyst for oxygen reduction reaction from pyrolyzing carbon-supported iron tetraethylenepentamine complex. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 676-683.	10.8	13
86	Catalyst-Free Synthesis of Hollow-Sphere-Like ZnO and Its Photoluminescence Property. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-6.	1.0	5
87	Gas transport in vertically-aligned carbon nanotube/parylene composite membranes. <i>Carbon</i> , 2014, 66, 11-17.	5.4	35
88	Influence of the pore structure parameters of mesoporous anatase microspheres on their performance in lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1673-1681.	1.2	14
89	Temperature-dependent gas transport performance of vertically aligned carbon nanotube/parylene composite membranes. <i>Nanoscale Research Letters</i> , 2014, 9, 448.	3.1	17
90	Electromagnetic and microwave absorbing properties of magnetite nanoparticles decorated carbon nanotubes/polyaniline multiphase heterostructures. <i>Journal of Materials Science</i> , 2014, 49, 7221-7230.	1.7	41

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91	Activated carbon with ultrahigh specific surface area synthesized from natural plant material for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15889-15896.	5.2	189
92	DNA Nanostructure-Based Universal Microarray Platform for High-Efficiency Multiplex Bioanalysis in Biofluids. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17944-17953.	4.0	110
93	Selective removal of metallic single-walled carbon nanotubes by microwave-assisted treatment of SWCNTs with nitronium ions. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11222-11228.	5.2	3
94	Electrocatalysis of oxygen reduction on carbon nanotubes with different surface functional groups in acid and alkaline solutions. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16964-16975.	3.8	29
95	Pyrolyzing cobalt diethylenetriamine chelate on carbon (CoDETA/C) as a family of non-precious metal oxygen reduction catalyst. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 267-276.	3.8	30
96	Influence of pyrolyzing atmosphere on the catalytic activity and structure of Co-based catalysts for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2014, 115, 1-9.	2.6	12
97	Influence of pre-treatment on the catalytic activity of carbon and its Co-based catalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 3198-3210.	3.8	12
98	Strengthening of Graphene Aerogels with Tunable Density and High Adsorption Capacity towards Pb ²⁺ . <i>Scientific Reports</i> , 2014, 4, 5025.	1.6	61
99	Effects of Growth Temperature on Carbon Nanotube Forests Synthesized by Water-Assisted Chemical Vapor Deposition. <i>Nanoscience and Nanotechnology Letters</i> , 2014, 6, 488-492.	0.4	4
100	Deposition of Cu-Mn alloy film from supercritical carbon dioxide for advanced interconnects. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4439-4444.	1.1	8
101	Interweaving of multilevel carbon networks with mesoporous TiO ₂ for lithium-ion battery anodes. <i>RSC Advances</i> , 2013, 3, 24882.	1.7	1
102	Mesoporous iron oxide directly anchored on a graphene matrix for lithium-ion battery anodes with enhanced strain accommodation. <i>RSC Advances</i> , 2013, 3, 699-703.	1.7	76
103	Carbon foams from polyacrylonitrile-borneol films prepared using coaxial electrohydrodynamic atomization. <i>Carbon</i> , 2013, 53, 231-236.	5.4	17
104	Preparation of nanoporous carbons with hierarchical pore structure for CO ₂ capture. <i>New Carbon Materials</i> , 2013, 28, 55-60.	2.9	12
105	Fabrication of Hierarchical Macroporous/Mesoporous Carbons via the Dual-Template Method and the Restriction Effect of Hard Template on Shrinkage of Mesoporous Polymers. <i>Journal of Physical Chemistry C</i> , 2013, 117, 8784-8792.	1.5	28
106	Catalyst-free synthesis of multi-walled carbon nanotubes from carbon spheres and its implications for the formation mechanism. <i>Carbon</i> , 2013, 53, 137-144.	5.4	12
107	Facile Preparation, Characterization, and Highly Effective Microwave Absorption Performance of CNTs/Fe ₃ O ₄ /PANI Nanocomposites. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7.	1.5	5
108	Deposition of Cu seed layer film by supercritical fluid deposition for advanced interconnects. <i>Chinese Physics B</i> , 2013, 22, 064217.	0.7	2

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109	Influence of total gas flow on carbon nanotube forests synthesised by water-assisted chemical vapour deposition. <i>Micro and Nano Letters</i> , 2013, 8, 779-782.	0.6	2
110	Field emission from laterally aligned carbon nanotube flower arrays for low turn-on field emission. <i>APL Materials</i> , 2013, 1, .	2.2	9
111	The comparison of macroporous ceramics fabricated through the protein direct foaming and sponge replica methods. <i>Journal of Porous Materials</i> , 2012, 19, 761-766.	1.3	16
112	Efficient growth of millimeter-long few-walled carbon nanotube forests and their oil sorption. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 108, 351-355.	1.1	11
113	Graphene anchored with mesoporous NiO nanoplates as anode material for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1889-1892.	1.2	54
114	Synthesis and electrochemical properties of graphene-SnS ₂ nanocomposites for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1999-2004.	1.2	29
115	Surface functionalization of vertically-aligned carbon nanotube forests by radio-frequency Ar/O ₂ plasma. <i>Carbon</i> , 2012, 50, 2710-2716.	5.4	76
116	Carbon nanotube loop arrays for low-operational power, high uniformity field emission with long-term stability. <i>Carbon</i> , 2012, 50, 2796-2803.	5.4	19
117	Thermal Properties of Poly(vinyl chloride-co-vinyl acetate-co-2-hydroxypropyl acrylate) (PVVH) Polymer and Its Application in ZnO Based Nanogenerators. <i>Chinese Physics Letters</i> , 2011, 28, 016501.	1.3	10
118	Ultrathin Mo/MoN bilayer nanostructure for diffusion barrier application of advanced Cu metallization. <i>Applied Surface Science</i> , 2010, 256, 6003-6006.	3.1	15
119	Tunable field emission properties of carbon nanotube arrays by engineering Fe catalysts. <i>Materials Letters</i> , 2009, 63, 2556-2559.	1.3	10
120	Exploring Advantages of Diverse Carbon Nanotube Forests with Tailored Structures Synthesized by Supergrowth from Engineered Catalysts. <i>ACS Nano</i> , 2009, 3, 108-114.	7.3	144
121	Acetone-assisted deposition of silver films in supercritical carbon dioxide. <i>Microelectronic Engineering</i> , 2008, 85, 675-681.	1.1	21
122	The Effect of Minerals on the Reactivity of Coal Char Treated Thermally. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2008, 30, 1491-1497.	1.2	1
123	Deposition of Cu-Ag Alloy Film by Supercritical Fluid Deposition. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L1296-L1299.	0.8	23
124	Investigation of nanoindentation on Co/Mo multilayers by the continuous stiffness measurement technique. <i>Surface and Coatings Technology</i> , 2005, 191, 127-133.	2.2	25
125	Experimental Investigation of Flow Patterns in Cyclones with Conventional and Symmetrical Inlet Geometries. <i>Chemical Engineering and Technology</i> , 2005, 28, 969-972.	0.9	22
126	Effects of Ag Addition on the Resistivity, Texture and Surface Morphology of Cu Metallization. <i>Japanese Journal of Applied Physics</i> , 2005, 44, L1278-L1281.	0.8	19

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127	Structural and magnetic investigation of metastable alloy phases in Bi-Co multilayers. Journal of Alloys and Compounds, 2004, 365, 43-48.	2.8	5
128	Formation of metastable alloy films in the Ni-Mo binary system by ion-beam-assisted deposition. Applied Physics A: Materials Science and Processing, 2003, 77, 523-528.	1.1	6
129	Nanoindentation study of Ni ₄₅ Nb ₅₅ amorphous films prepared by ion beam assisted deposition. Nuclear Instruments & Methods in Physics Research B, 2003, 211, 339-345.	0.6	1
130	Ion beam induced formation of metastable alloy phases in Cu-Mo system during ion beam assisted deposition. Applied Surface Science, 2003, 207, 334-340.	3.1	16
131	Microstructures of Nb-Ti alloy films prepared by ion beam assisted deposition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 357, 365-368.	2.6	5
132	Irradiation induced alloying and formation of amorphous films in Co-Mo system during ion beam assisted deposition. Acta Materialia, 2003, 51, 5093-5099.	3.8	7
133	Amorphous alloy film formed in an immiscible Cu-Ta system by ion beam assisted deposition. Materials Letters, 2002, 53, 40-43.	1.3	18
134	Amorphization and phase evolution in Fe-Nb films prepared by ion beam assisted deposition. Thin Solid Films, 2002, 415, 88-93.	0.8	3
135	Metastable phases formation in Cu-Nb films by ion-beam-assisted deposition. Nuclear Instruments & Methods in Physics Research B, 2001, 183, 311-317.	0.6	13
136	Amorphization in the Ni-Nb System upon Ion-Beam-Assisted Deposition. Japanese Journal of Applied Physics, 2001, 40, 5369-5372.	0.8	5