Jianshe Lian

List of Publications by Year
in descending order

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270 papers	14,100 citations	17440 63 h-index	29157 104 g-index
272 all docs	272 docs citations	272 times ranked	13347 citing authors

#	Article	IF	Citations
1	Ultra-strong and thermally stable nanocrystalline CrCoNi alloy. Journal of Materials Science and Technology, 2022, 106, 1-9.	10.7	21
2	Superhydrophobic brass surfaces with tunable water adhesion fabricated by laser texturing followed by heat treatment and their anti-corrosion ability. Applied Surface Science, 2022, 575, 151596.	6.1	34
3	Improving the corrosion resistance and biocompatibility of magnesium alloy via composite coatings of calcium phosphate/carbonate induced by silane. Progress in Organic Coatings, 2022, 163, 106653.	3.9	12
4	A polydopamine-based calcium phosphate/graphene oxide composite coating on magnesium alloy to improve corrosion resistance and biocompatibility for biomedical applications. Materialia, 2022, 21, 101315.	2.7	19
5	Effect of Al Addition on the Microstructure and Mechanical Properties of Al_xCrCoNi Medium Entropy Alloys Prepared via the Magnetron Coâ€Sputtering. Advanced Engineering Materials, 2022, 24, .	3.5	4
6	Effects of cold-rolling and subsequent annealing on the nano-mechanical and creep behaviors of CrCoNi medium-entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 839, 142802.	5.6	10
7	Corrosion Resistance and Biocompatibility of Calcium Phosphate Coatings with a Microâ€“Nanofibrous Porous Structure on Biodegradable Magnesium Alloys. ACS Applied Bio Materials, 2022, 5, 1528-1537.	4.6	13
8	Boosting the OER/ORR/HER activity of Ru-doped Ni/Co oxides heterostructure. Chemical Engineering Journal, 2022, 439, 135634.	12.7	49
9	In situ phosphating of Zn-doped bimetallic skeletons as a versatile electrocatalyst for water splitting. Energy and Environmental Science, 2022, 15, 2425-2434.	30.8	50
10	Uniting tensile ductility with ultrahigh strength via composition undulation. Nature, 2022, 604, 273-279.	27.8	80
11	Unveiling the grain boundary-related effects on the incipient plasticity and dislocation behavior in nanocrystalline CrCoNi medium-entropy alloy. Journal of Materials Science and Technology, 2022, 127, 98-107.	10.7	9
12	Improvement of corrosion resistance of H59 brass through fabricating superhydrophobic surface using laser ablation and heating treatment. Corrosion Science, 2021, 180, 109186.	6.6	54
13	Cu-doped Ni3S2 nanosheet arrays on Ni foam as an efficient electrocatalyst for oxygen evolution reaction. Journal of Solid State Chemistry, 2021, 293, 121776.	2.9	14
14	MoS₂ Nanosheet-Polypyrrole Composites Deposited on Reduced Graphene Oxide for Supercapacitor Applications. ACS Applied Nano Materials, 2021, 4, 1330-1339.	5.0	47
15	Grain size dependent microstructure and texture evolution during dynamic deformation of nanocrystalline face-centered cubic materials. Acta Materialia, 2021, 216, 117088.	7.9	10
16	P- N heterojunction NiO/ZnO electrode with high electrochemical performance for supercapacitor applications. Electrochimica Acta, 2021, 392, 138976.	5.2	23
17	The microstructure, mechanical properties, corrosion performance and biocompatibility of hydroxyapatite reinforced ZK61 magnesium-matrix biological composite. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 123, 104759.	3.1	15
18	Interface Engineering of CoP₃/Ni₂P for Boosting the Wide pH Range Water-Splitting Activity. ACS Applied Materials & Interfaces, 2021, 13, 52598-52609.	8.0	20

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19	Enhanced corrosion resistance and biocompatibility of polydopamine/dicalcium phosphate dihydrate/collagen composite coating on magnesium alloy for orthopedic applications. Journal of Alloys and Compounds, 2020, 817, 152782.	5.5	37
20	Facile synthesis clusters of sheet-like Ni3S4/CuS nanohybrids with ultrahigh supercapacitor performance. Journal of Solid State Chemistry, 2020, 282, 121088.	2.9	21
21	Enhancing the brightness and saturation of noniridescent structural colors by optimizing the grain size. Nanoscale Advances, 2020, 2, 4581-4590.	4.6	5
22	Reduced core-shell structured MnCo2O4@MnO2 nanosheet arrays with oxygen vacancies grown on Ni foam for enhanced-performance supercapacitors. Journal of Alloys and Compounds, 2020, 846, 156504.	5.5	48
23	Improvements of Corrosion Resistance and Antibacterial Properties of Hydroxyapatite/Cupric Oxide Doped Titania Composite Coatings on Degradable Magnesium Alloys. Langmuir, 2020, 36, 13937-13948.	3.5	19
24	Enhanced corrosion resistance and biocompatibility of biodegradable magnesium alloy modified by calcium phosphate/collagen coating. Surface and Coatings Technology, 2020, 401, 126318.	4.8	59
25	Comparison of corrosion resistance and biocompatibility of magnesium phosphate (MgP), zinc phosphate (ZnP) and calcium phosphate (CaP) conversion coatings on Mg alloy. Surface and Coatings Technology, 2020, 397, 125919.	4.8	57
26	A multifunctional polypyrrole/zinc oxide composite coating on biodegradable magnesium alloys for orthopedic implants. Colloids and Surfaces B: Biointerfaces, 2020, 194, 111186.	5.0	38
27	Nanostructuring as a route to achieve ultra-strong high- and medium-entropy alloys with high creep resistance. Journal of Alloys and Compounds, 2020, 830, 154656.	5.5	21
28	Thermodynamic analysis on wetting states and wetting state transitions of rough surfaces. Advances in Colloid and Interface Science, 2020, 278, 102136.	14.7	31
29	Threeâ€Dimensional ZnMn₂O₄ Nanoparticles/Carbon Cloth Anodes for Highâ€Performance Flexible Lithiumâ€Ion Batteries. ChemistrySelect, 2020, 5, 2372-2378.	1.5	9
30	Effect of pH value and preparation temperature on the formation of magnesium phosphate conversion coatings on AZ31 magnesium alloy. Applied Surface Science, 2019, 492, 314-327.	6.1	74
31	Facile synthesis of copper selenide with fluffy intersected-nanosheets decorating nanotubes structure for efficient oxygen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 22983-22990.	7.1	21
32	Reversible wettability transition between superhydrophilicity and superhydrophobicity through alternate heating-reheating cycle on laser-ablated brass surface. Applied Surface Science, 2019, 492, 349-361.	6.1	52
33	Nanoindentation creep deformation behaviour of high nitrogen nickel-free austenitic stainless steel. Materials Science and Technology, 2019, 35, 1592-1599.	1.6	6
34	Hierarchical Cu(OH)2/Co2(OH)2CO3 nanohybrid arrays grown on copper foam for high-performance battery-type supercapacitors. Journal of Materials Science: Materials in Electronics, 2019, 30, 11952-11963.	2.2	16
35	Charge Storage by Electrochemical Reaction of Water Bilayers Absorbed on MoS2 Monolayers. Scientific Reports, 2019, 9, 3980.	3.3	16
36	Nanoindentation creep behavior and its relation to activation volume and strain rate sensitivity of nanocrystalline Cu. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 751, 35-41.	5.6	30

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37	Invigorating the catalytic performance of CoP through interfacial engineering by Ni₂P precipitation. Journal of Materials Chemistry A, 2019, 7, 26177-26186.	10.3	13
38	Rational fabrication of nanosheet-dewy NiMoO4/Ni3S2 nanohybrid for efficient hybrid supercapacitor. Journal of Alloys and Compounds, 2019, 783, 399-408.	5.5	21
39	Improving the Degradation Resistance and Surface Biomineralization Ability of Calcium Phosphate Coatings on a Biodegradable Magnesium Alloy via a Sol-Gel Spin Coating Method. Journal of the Electrochemical Society, 2018, 165, C155-C161.	2.9	26
40	Dual Superlyophobic Copper Foam with Good Durability and Recyclability for High Flux, High Efficiency, and Continuous Oilâ€“Water Separation. ACS Applied Materials & Interfaces, 2018, 10, 9841-9848.	8.0	92
41	CuS/MnS composite hexagonal nanosheet clusters: Synthesis and enhanced pseudocapacitive properties. Electrochimica Acta, 2018, 271, 425-432.	5.2	49
42	Strain rate dependence of tensile strength and ductility of nano and ultrafine grained coppers. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 341-349.	5.6	16
43	Hydroxyapatite/Titania Composite Coatings on Biodegradable Magnesium Alloy for Enhanced Corrosion Resistance, Cytocompatibility and Antibacterial Properties. Journal of the Electrochemical Society, 2018, 165, C962-C972.	2.9	38
44	Ni Foamâ€Ni₃S₂@Ni(OH)₂â€Graphene Sandwich Structure Electrode Materials: Facile Synthesis and High Supercapacitor Performance. Chemistry - A European Journal, 2017, 23, 4128-4136.	3.3	43
45	Arrays of hierarchical nickel sulfides/MoS2 nanosheets supported on carbon nanotubes backbone as advanced anode materials for asymmetric supercapacitor. Journal of Power Sources, 2017, 343, 373-382.	7.8	162
46	A Strategy for Synthesis of Nanosheets Consisting of Alternating Spinel Li₄Ti₅O₁₂ and Rutile TiO₂ Lamellas for High-Rate Anodes of Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 4649-4657.	8.0	42
47	Reduced graphene oxide wrapped Fe3O4â€“Co3O4 yolkâ€“shell nanostructures for advanced catalytic oxidation based on sulfate radicals. Applied Surface Science, 2017, 396, 945-954.	6.1	47
48	Facile Synthesis ZnS/ZnO/Ni(OH)2 Composites Grown on Ni Foam: A Bifunctional Materials for Photocatalysts and Supercapacitors. Scientific Reports, 2017, 7, 3021.	3.3	40
49	Plastic deformation and fracture behaviour of high-nitrogen nickel-free austenitic stainless steel. Materials Science and Technology, 2017, 33, 1635-1644.	1.6	9
50	Mapping the strain-rate and grain-size dependence of deformation behaviors in nanocrystalline face-centered-cubic Ni and Ni-based alloys. Journal of Alloys and Compounds, 2017, 709, 566-574.	5.5	25
51	How to improve the stability and rate performance of lithium-ion batteries with transition metal oxide anodes. Journal of Materials Research, 2017, 32, 16-36.	2.6	36
52	Reusable Co_xNi_{1â^'x} dye adsorbents as supercapacitor electrode materials. Journal of Materials Chemistry A, 2017, 5, 8095-8107.	10.3	13
53	Fabrication of Superhydrophobic Calcium Phosphate Coating on Mg-Zn-Ca alloy and Its Corrosion Resistance. Journal of Materials Engineering and Performance, 2017, 26, 6117-6129.	2.5	19
54	High Density Arrayed Ni/NiO Core-shell Nanospheres Evenly Distributed on Graphene for Ultrahigh Performance Supercapacitor. Scientific Reports, 2017, 7, 17709.	3.3	64

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55	Synthesis of polygonal Co₃Sn₂ nanostructure with enhanced magnetic properties. RSC Advances, 2016, 6, 39818-39822.	3.6	13
56	One-pot hydrothermal synthesis of octahedral CoFe/CoFe₂O₄ submicron composite as heterogeneous catalysts with enhanced peroxymonosulfate activity. Journal of Materials Chemistry A, 2016, 4, 9455-9465.	10.3	128
57	Improvement of the Biodegradation Property and Biomineralization Ability of Magnesiumâ€“Hydroxyapatite Composites with Dicalcium Phosphate Dihydrate and Hydroxyapatite Coatings. ACS Biomaterials Science and Engineering, 2016, 2, 818-828.	5.2	66
58	Composite Microstructure and Formation Mechanism of Calcium Phosphate Conversion Coating on Magnesium Alloy. Journal of the Electrochemical Society, 2016, 163, G138-G143.	2.9	30
59	Preparation and corrosion behaviors of calcium phosphate conversion coating on magnesium alloy. Surface and Coatings Technology, 2016, 307, 99-108.	4.8	85
60	A Ni_{1â^'x}Zn_xS/Ni foam composite electrode with multi-layers: one-step synthesis and high supercapacitor performance. Journal of Materials Chemistry A, 2016, 4, 12929-12939.	10.3	52
61	A novel open architecture built by ultra-fine single-crystal Co₂(CO₃)(OH)₂ nanowires and reduced graphene oxide for asymmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 17171-17179.	10.3	74
62	Growth of vertically aligned Co₃S₄/CoMo₂S₄ ultrathin nanosheets on reduced graphene oxide as a high-performance supercapacitor electrode. Journal of Materials Chemistry A, 2016, 4, 18857-18867.	10.3	150
63	Robust superhydrophobic surface on Al substrate with durability, corrosion resistance and ice-phobicity. Scientific Reports, 2016, 6, 20933.	3.3	79
64	High Efficient Photo-Fenton Catalyst of Î±-Fe2O3/MoS2 Hierarchical Nanoheterostructures: Reutilization for Supercapacitors. Scientific Reports, 2016, 6, 31591.	3.3	68
65	A unique porous architecture built by ultrathin wrinkled NiCoO₂/rGO/NiCoO₂ sandwich nanosheets for pseudocapacitance and Li ion storage. Journal of Materials Chemistry A, 2016, 4, 10304-10313.	10.3	72
66	One-step synthesis of Ni3Sn2@reduced graphene oxide composite with enhanced electrochemical lithium storage properties. Electrochimica Acta, 2016, 192, 188-195.	5.2	39
67	Plastic deformation behavior during unloading in compressive cyclic test of nanocrystalline copper. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 651, 999-1009.	5.6	26
68	Plastic flow behavior and its relationship to tensile mechanical properties of high nitrogen nickel-free austenitic stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 662, 432-442.	5.6	25
69	Nanostructured Co_xNi_{1â^'x}bimetallic alloys for high efficient and ultrafast adsorption: experiments and first-principles calculations. RSC Advances, 2016, 6, 9209-9220.	3.6	12
70	In situ prepared reduced graphene oxide/CoO nanowires mutually-supporting porous structure with enhanced lithium storage performance. Electrochimica Acta, 2016, 190, 276-284.	5.2	58
71	Carbon-Encapsulated Co3O4 Nanoparticles as Anode Materials with Super Lithium Storage Performance. Scientific Reports, 2015, 5, 16629.	3.3	73
72	Ultrathin Mesoporous NiCo₂O₄ Nanosheet Networks as Highâ€Performance Anodes for Lithium Storage. ChemPlusChem, 2015, 80, 1725-1731.	2.8	31

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73	Electromagnetic shielding and corrosion resistance of electroless Ni-P and Ni-P-Cu coatings on polymer/carbon fiber composites. Polymer Composites, 2015, 36, 923-930.	4.6	32
74	A novel interfacial synthesis of MnOâ€“NiOâ€“reduced graphene oxide hybrid with enhanced pseudocapacitance performance. RSC Advances, 2015, 5, 54138-54147.	3.6	3
75	Dry sliding wear behavior of extruded Mg-Sn-Yb alloy. Journal of Rare Earths, 2015, 33, 77-85.	4.8	20
76	Preparation and photocatalytic performance of Cu-doped TiO2 nanoparticles. Transactions of Nonferrous Metals Society of China, 2015, 25, 504-509.	4.2	115
77	Glucose-assisted generation of assembled mesoporous ZnO sheets with highly efficient photocatalytic performance. Materials Science in Semiconductor Processing, 2015, 39, 680-685.	4.0	6
78	Effects of loading strain rate and stacking fault energy on nanoindentation creep behaviors of nanocrystalline Cu, Ni-20 wt.%Fe and Ni. Journal of Alloys and Compounds, 2015, 647, 670-680.	5.5	55
79	Enhancing the corrosion resistance and surface bioactivity of a calcium-phosphate coating on a biodegradable AZ60 magnesium alloy via a simple fluorine post-treatment method. RSC Advances, 2015, 5, 56001-56010.	3.6	41
80	One-step synthesis of nanostructured Biâ€“Bi₂O₂CO₃â€“ZnO composites with enhanced photocatalytic performance. CrystEngComm, 2015, 17, 3809-3819.	2.6	20
81	Niâ€“Zn binary system hydroxide, oxide and sulfide materials: synthesis and high supercapacitor performance. Journal of Materials Chemistry A, 2015, 3, 23333-23344.	10.3	107
82	Single-crystalline Ni(OH)2nanosheets vertically aligned on a three-dimensional nanoporous metal for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2015, 3, 23412-23419.	10.3	45
83	Deformation behavior of an extruded Mgâ€“Dyâ€“Zn alloy with long period stacking ordered phase. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 622, 52-60.	5.6	16
84	Understanding the microscopic deformation mechanism and macroscopic mechanical behavior of nanocrystalline Ni by the long-term stress relaxation test. International Journal of Modern Physics B, 2014, 28, 1450124.	2.0	5
85	The Synthesis and Electrochemical Behavior of High-Nitrogen Nickel-Free Austenitic Stainless Steel. Journal of Materials Engineering and Performance, 2014, 23, 3957-3962.	2.5	16
86	High resolution transmission electron microscopic in-situ observations of plastic deformation of compressed nanocrystalline gold. Journal of Applied Physics, 2014, 116, 103518.	2.5	3
87	Dislocation Evolution in Nanograins during Successive Stress Relaxation. Advanced Engineering Materials, 2014, 16, 413-420.	3.5	1
88	Synthesis of amorphous TiO2 modified ZnO nanorod film with enhanced photocatalytic properties. Applied Surface Science, 2014, 299, 97-104.	6.1	53
89	Toward Tandem Photovoltaic Devices Employing Nanoarray Graphene-Based Sheets. Journal of Physical Chemistry C, 2014, 118, 2385-2390.	3.1	6
90	Impact dynamics of water droplets on Cu films with three-level hierarchical structures. Journal of Materials Science, 2014, 49, 3379-3390.	3.7	14

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91	Enhanced Photocatalytic Performance of Supported Fe Doped ZnO Nanorod Arrays Prepared by Wet Chemical Method. Catalysis Letters, 2014, 144, 347-354.	2.6	26
92	Bandgap variation in grain size controlled nanostructured CdO thin films deposited by pulsed-laser method. Journal of Materials Science: Materials in Electronics, 2014, 25, 1003-1012.	2.2	23
93	Role of Edge Geometry and Magnetic Interaction in Opening Bandgap of Lowâ€Dimensional Graphene. ChemPhysChem, 2014, 15, 958-965.	2.1	6
94	Markedly enhanced coercive field and Congo red adsorption capability of cobalt ferrite induced by the doping of non-magnetic metal ions. Chemical Engineering Journal, 2014, 241, 384-392.	12.7	35
95	Effect of cold rolling on tensile properties and microstructure of high nitrogen alloyed austenitic steel. Materials Science and Technology, 2014, 30, 146-151.	1.6	20
96	Cu surfaces with controlled structures: From intrinsically hydrophilic to apparently superhydrophobic. Applied Surface Science, 2014, 290, 320-326.	6.1	28
97	Characterizing deformed ultrafine-grained and nanocrystalline materials using transmission Kikuchi diffraction in a scanning electron microscope. Acta Materialia, 2014, 62, 69-80.	7.9	142
98	Solvothermal synthesis of nanocrystalline ZnO with excellent photocatalytic performance. Journal of Materials Science: Materials in Electronics, 2014, 25, 5518-5523.	2.2	8
99	Ca-P conversion coating on AZ60 magnesium alloy for biomedical application. Chemical Research in Chinese Universities, 2014, 30, 543-548.	2.6	4
100	CaGdAlO₄:Tb³⁺/Eu³⁺as promising phosphors for full-color field emission displays. Journal of Materials Chemistry C, 2014, 2, 9924-9933.	5.5	107
101	Biocompatible DCPD Coating Formed on AZ91D Magnesium Alloy by Chemical Deposition and Its Corrosion Behaviors in SBF. Journal of Bionic Engineering, 2014, 11, 610-619.	5.0	27
102	Nanostructured Mn₃O₄â€“reduced graphene oxide hybrid and its applications for efficient catalytic decomposition of Orange II and high lithium storage capacity. RSC Advances, 2014, 4, 41838-41847.	3.6	40
103	Structural, optical and electrical characterization of gadolinium and indium doped cadmium oxide/p-silicon heterojunctions for solar cell applications. RSC Advances, 2014, 4, 52451-52460.	3.6	33
104	Enhancing photocatalytic activity of disorder-engineered C/TiO₂and TiO₂nanoparticles. Journal of Materials Chemistry A, 2014, 2, 7439-7445.	10.3	130
105	Effect of strain rate on tensile properties of electric brush-plated nanocrystalline copper. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 618, 621-628.	5.6	22
106	New insight into modulated up-conversion luminescent silica nanotubes as efficient adsorbents for colored effluents. Dalton Transactions, 2014, 43, 15457-15464.	3.3	9
107	Disordered ZnO nanoparticles with extremely intense deep-level emission and enhanced photocatalytic activity. Applied Surface Science, 2014, 313, 888-895.	6.1	12
108	Synthesis of a Thin-Layer MnO₂ Nanosheet-Coated Fe₃O₄ Nanocomposite as a Magnetically Separable Photocatalyst. Langmuir, 2014, 30, 7006-7013.	3.5	126

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109	Enhanced optical absorption and photocatalytic activity of Cu/N-codoped TiO2 nanocrystals. Materials Science in Semiconductor Processing, 2014, 24, 247-253.	4.0	28
110	Superhydrophilic Cu-doped TiO2 thin film for solar-driven photocatalysis. Ceramics International, 2014, 40, 5107-5110.	4.8	55
111	Revealing the intrinsic dislocation storage capability in nanocrystalline nickel. Materials Letters, 2014, 127, 20-23.	2.6	2
112	Optical properties and photocatalytic activity of Nd-doped ZnO powders. Transactions of Nonferrous Metals Society of China, 2014, 24, 1434-1439.	4.2	51
113	Microstructures and mechanical properties of extruded Mgâ€“2Snâ€“xYb (x=0, 0.1, 0.5Âat.%) sheets. Journal of Magnesium and Alloys, 2014, 2, 257-264.	11.9	10
114	Preparation and Corrosion Behavior of Calcium Phosphate and Hydroxyapatite Conversion Coatings on AM60 Magnesium Alloy. Journal of the Electrochemical Society, 2013, 160, C536-C541.	2.9	46
115	Stable ductility of an electrodeposited nanocrystalline Niâ€“20wt.%Fe alloy in tensile plastic deformation. Journal of Alloys and Compounds, 2013, 553, 99-105.	5.5	9
116	Structure and photocatalytic property of Mo-doped TiO2 nanoparticles. Powder Technology, 2013, 244, 9-15.	4.2	118
117	High resolution transmission electron microscopy in situ investigation into the spontaneous coalescence of gold nanoparticles at room temperature. RSC Advances, 2013, 3, 24017.	3.6	5
118	Nanocrystalline ZnO films prepared by pulsed laser deposition and their abnormal optical properties. Applied Surface Science, 2013, 283, 781-787.	6.1	24
119	Multifunctional NaYF4:Yb/Er/Gd nanocrystal decorated SiO2 nanotubes for anti-cancer drug delivery and dual modal imaging. RSC Advances, 2013, 3, 8517.	3.6	18
120	Stability of indiumâ€“tin-oxide and its optical properties: A first-principles study. Journal of Physics and Chemistry of Solids, 2013, 74, 446-451.	4.0	8
121	Synthesis and photoluminescence of Y and Cd co-doped ZnO nanopowder. Transactions of Nonferrous Metals Society of China, 2013, 23, 2336-2340.	4.2	13
122	Electroless nickel, alloy, composite and nano coatings â€“ A critical review. Journal of Alloys and Compounds, 2013, 571, 183-204.	5.5	700
123	Structural, optical and electrical properties of cerium and gadolinium doped CdO thin films. Applied Surface Science, 2013, 274, 365-370.	6.1	60
124	Effects of passivation on the properties of Ni-P alloy coating deposited on CFs reinforced PEEK. Surface and Coatings Technology, 2013, 232, 269-274.	4.8	19
125	A new method to prepare MgO and base for further electroless nickel deposition on magnesium substrate. International Journal of Surface Science and Engineering, 2013, 7, 97.	0.4	3
126	Preparation of Nanocrystalline Cu Films by Brush-Plating. Integrated Ferroelectrics, 2012, 137, 52-60.	0.7	2

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127	INFLUENCE OF SURFACTANTS ON THE CORROSION PROPERTIES OF CHROMIUM-FREE ELECTROLESS NICKEL DEPOSIT ON MAGNESIUM ALLOY. Surface Review and Letters, 2012, 19, 1250025.	1.1	3
128	High-speed creep process mediated by rapid dislocation absorption in nanocrystalline Cu. Journal of Applied Physics, 2012, 111, 063506.	2.5	16
129	Structure and Photocatalysis of TiO₂/ZnO Double-Layer Film Prepared by Pulsed Laser Deposition. Materials Transactions, 2012, 53, 463-468.	1.2	21
130	Superhydrophobic Behavior and Optical Properties of ZnO Film Fabricated by Hydrothermal Method. Journal of Materials Science and Technology, 2012, 28, 103-108.	10.7	12
131	Microstructure and Mechanical Properties of an Extruded Mg-2Dy-0.5Zn Alloy. Journal of Materials Science and Technology, 2012, 28, 543-551.	10.7	23
132	The performance of surfactant on the surface characteristics of electroless nickel coating on magnesium alloy. Progress in Organic Coatings, 2012, 74, 788-793.	3.9	63
133	Enhanced UV emission of Y-doped ZnO nanoparticles. Applied Surface Science, 2012, 258, 6735-6738.	6.1	76
134	Micro-twins TiO2 nanorods grown on seeded ZnO film. Journal of Crystal Growth, 2012, 344, 1-5.	1.5	4
135	Photocatalytic property of Fe doped anatase and rutile TiO2 nanocrystal particles prepared by solâ€“gel technique. Applied Surface Science, 2012, 263, 260-265.	6.1	95
136	Self-assembly of ultrathin porous NiO nanosheets/graphene hierarchical structure for high-capacity and high-rate lithium storage. Journal of Materials Chemistry, 2012, 22, 2844.	6.7	248
137	External Electric Field Catalyzed N‹sub›2‹/sub›O Decomposition on Mn-Embedded Graphene. Journal of Physical Chemistry C, 2012, 116, 20342-20348.	3.1	44
138	Structural Selectivity of CO Oxidation on Fe/N/C Catalysts. Journal of Physical Chemistry C, 2012, 116, 17572-17579.	3.1	54
139	Potential dependent and structural selectivity of the oxygen reduction reaction on nitrogen-doped carbon nanotubes: a density functional theory study. Physical Chemistry Chemical Physics, 2012, 14, 11715.	2.8	52
140	Deformation-induced localized solid-state amorphization in nanocrystalline nickel. Scientific Reports, 2012, 2, 493.	3.3	53
141	Optical and magnetic properties of Ndâ€doped ZnO nanoparticles. Crystal Research and Technology, 2012, 47, 713-718.	1.3	61
142	Optical properties of Cu-doped ZnO nanoparticles experimental and first-principles theory research. Journal of Materials Science: Materials in Electronics, 2012, 23, 1521-1526.	2.2	22
143	Synthesis and optical properties of ZnO nanorods on indium tin oxide substrate. Applied Surface Science, 2011, 258, 93-97.	6.1	17
144	Double-peak ageing behavior of Mgâ€“2Dyâ€“0.5Zn alloy. Journal of Alloys and Compounds, 2011, 509, 8268-8275.	5.5	31

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145	High corrosion resistance of electroless Ni-P with chromium-free conversion pre-treatments on AZ91D magnesium alloy. Transactions of Nonferrous Metals Society of China, 2011, 21, 921-928.	4.2	32
146	Preparation of nano-silver iodide powders and their efficiency as ice-nucleating agent in weather modification. Advanced Powder Technology, 2011, 22, 613-616.	4.1	12
147	Effects of Process Parameters on Microstructure and Hardness of Layers by Laser Cladding. ISIJ International, 2011, 51, 441-447.	1.4	17
148	The deformation and fracture behavior of an electrodeposited nanocrystalline Ni under compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7878-7886.	5.6	8
149	Experimental and firstâ€principle investigation of Cuâ€doped ZnO ferromagnetic powders. Crystal Research and Technology, 2011, 46, 1143-1148.	1.3	22
150	Synthesis and optical properties of flower-like ZnO nanorods by thermal evaporation method. Applied Surface Science, 2011, 257, 5083-5087.	6.1	196
151	Structural, optical and electrical properties of Zn1â^'xCdxO thin films prepared by PLD. Applied Surface Science, 2011, 257, 5657-5662.	6.1	45
152	An elevated temperature Mgâ€“Dyâ€“Zn alloy with long period stacking ordered phase by extrusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3609-3614.	5.6	54
153	Optical and electrical properties of Sn-doped CdO thin films obtained by pulse laser deposition. Vacuum, 2011, 85, 861-865.	3.5	100
154	Annealing effect on the photoluminescence properties of ZnO nanorod array prepared by a PLD-assistant wet chemical method. Materials Characterization, 2010, 61, 1239-1244.	4.4	62
155	Optical and electrical properties of In-doped CdO thin films fabricated by pulse laser deposition. Applied Surface Science, 2010, 256, 2910-2914.	6.1	80
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