

Jianshe Lian

List of Publications by Year in descending order

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270
papers

14,100
citations

17440

63
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29157

104
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272
all docs

272
docs citations

272
times ranked

13347
citing authors

#	ARTICLE	IF	CITATIONS
1	Plastic behavior and stretchability of sheet metals. Part I: A yield function for orthotropic sheets under plane stress conditions. <i>International Journal of Plasticity</i> , 1989, 5, 51-66.	8.8	1,040
2	Electroless nickel, alloy, composite and nano coatings – A critical review. <i>Journal of Alloys and Compounds</i> , 2013, 571, 183-204.	5.5	700
3	Deformation behaviour of ultra-fine-grained copper. <i>Acta Metallurgica Et Materialia</i> , 1994, 42, 2467-2475.	1.8	547
4	Microstructure and photoluminescence properties of ZnO thin films grown by PLD on Si(111) substrates. <i>Applied Surface Science</i> , 2005, 239, 176-181.	6.1	259
5	Self-assembly of ultrathin porous NiO nanosheets/graphene hierarchical structure for high-capacity and high-rate lithium storage. <i>Journal of Materials Chemistry</i> , 2012, 22, 2844.	6.7	248
6	Synthesis and optical properties of flower-like ZnO nanorods by thermal evaporation method. <i>Applied Surface Science</i> , 2011, 257, 5083-5087.	6.1	196
7	High corrosion-resistance nanocrystalline Ni coating on AZ91D magnesium alloy. <i>Surface and Coatings Technology</i> , 2006, 200, 5413-5418.	4.8	187
8	IR and XPS investigation of visible-light photocatalysis – Nitrogen – carbon-doped TiO ₂ film. <i>Applied Surface Science</i> , 2006, 253, 1988-1994.	6.1	170
9	Arrays of hierarchical nickel sulfides/MoS ₂ nanosheets supported on carbon nanotubes backbone as advanced anode materials for asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2017, 343, 373-382.	7.8	162
10	Optical and electrical properties of aluminum-doped ZnO thin films grown by pulsed laser deposition. <i>Applied Surface Science</i> , 2007, 253, 3727-3730.	6.1	156
11	A study and application of zinc phosphate coating on AZ91D magnesium alloy. <i>Surface and Coatings Technology</i> , 2006, 200, 3021-3026.	4.8	152
12	Effects of microstructural variables on the deformation behaviour of dual-phase steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1995, 190, 55-64.	5.6	150
13	Growth of vertically aligned Co ₃ S ₄ /CoMo ₂ S ₄ ultrathin nanosheets on reduced graphene oxide as a high-performance supercapacitor electrode. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18857-18867.	10.3	150
14	Characterizing deformed ultrafine-grained and nanocrystalline materials using transmission Kikuchi diffraction in a scanning electron microscope. <i>Acta Materialia</i> , 2014, 62, 69-80.	7.9	142
15	Growth of zinc phosphate coatings on AZ91D magnesium alloy. <i>Surface and Coatings Technology</i> , 2006, 201, 1814-1820.	4.8	139
16	Modeling of the Melting Point, Debye Temperature, Thermal Expansion Coefficient, and the Specific Heat of Nanostructured Materials. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16896-16900.	3.1	139
17	On the enhanced grain growth in ultrafine grained metals. <i>Acta Metallurgica Et Materialia</i> , 1995, 43, 4165-4170.	1.8	138
18	Enhancing photocatalytic activity of disorder-engineered C/TiO ₂ and TiO ₂ nanoparticles. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7439-7445.	10.3	130

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19	One-pot hydrothermal synthesis of octahedral CoFe/CoFe ₂ O ₄ submicron composite as heterogeneous catalysts with enhanced peroxymonosulfate activity. Journal of Materials Chemistry A, 2016, 4, 9455-9465.	10.3	128
20	Electroless Ni-P plating on AZ91D magnesium alloy from a sulfate solution. Journal of Alloys and Compounds, 2005, 391, 104-109.	5.5	127
21	Synthesis of a Thin-Layer MnO ₂ Nanosheet-Coated Fe ₃ O ₄ Nanocomposite as a Magnetically Separable Photocatalyst. Langmuir, 2014, 30, 7006-7013.	3.5	126
22	Plastic behaviour and stretchability of sheet metals. Part II: Effect of yield surface shape on sheet forming limit. International Journal of Plasticity, 1989, 5, 131-147.	8.8	119
23	Single violet luminescence emitted from ZnO films obtained by oxidation of Zn film on quartz glass. Applied Surface Science, 2005, 252, 420-424.	6.1	119
24	Structure and photocatalytic property of Mo-doped TiO ₂ nanoparticles. Powder Technology, 2013, 244, 9-15.	4.2	118
25	Preparation and photocatalytic performance of Cu-doped TiO ₂ nanoparticles. Transactions of Nonferrous Metals Society of China, 2015, 25, 504-509.	4.2	115
26	Enhanced tensile ductility in an electrodeposited nanocrystalline Ni. Scripta Materialia, 2006, 54, 579-584.	5.2	113
27	Effect of grain size on corrosion behavior of electrodeposited bulk nanocrystalline Ni. Transactions of Nonferrous Metals Society of China, 2010, 20, 82-89.	4.2	112
28	Experimental and modelling investigations on strain rate sensitivity of an electrodeposited 20%nm grain sized Ni. Journal Physics D: Applied Physics, 2007, 40, 7440-7446.	2.8	110
29	Electroless Ni-P deposition plus zinc phosphate coating on AZ91D magnesium alloy. Surface and Coatings Technology, 2006, 200, 5956-5962.	4.8	109
30	Visible-light photocatalysis in nitrogen-carbon-doped TiO ₂ films obtained by heating TiO ₂ gel film in an ionized N ₂ gas. Thin Solid Films, 2008, 516, 1736-1742.	1.8	108
31	CaGdAlO ₄ :Tb ³⁺ /Eu ³⁺ as promising phosphors for full-color field emission displays. Journal of Materials Chemistry C, 2014, 2, 9924-9933.	5.5	107
32	Ni-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
33	A black phosphate coating for C1008 steel. Surface and Coatings Technology, 2004, 176, 215-221.	4.8	102
34	Model for the prediction of the mechanical behaviour of nanocrystalline materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1993, 172, 23-29.	5.6	101
35	Optical and electrical properties of Sn-doped CdO thin films obtained by pulse laser deposition. Vacuum, 2011, 85, 861-865.	3.5	100
36	High corrosion-resistant Ni-P/Ni-P multilayer coatings on steel. Surface and Coatings Technology, 2005, 197, 61-67.	4.8	97

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37	Photocatalytic property of Fe doped anatase and rutile TiO ₂ nanocrystal particles prepared by sol-gel technique. <i>Applied Surface Science</i> , 2012, 263, 260-265.	6.1	95
38	Electroless Ni-P/Ni-B duplex coatings for improving the hardness and the corrosion resistance of AZ91D magnesium alloy. <i>Applied Surface Science</i> , 2008, 254, 4949-4955.	6.1	94
39	Dual Superlyophobic Copper Foam with Good Durability and Recyclability for High Flux, High Efficiency, and Continuous Oil-Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9841-9848.	8.0	92
40	Structural and optical properties of ZnO thin films deposited on quartz glass by pulsed laser deposition. <i>Applied Surface Science</i> , 2006, 252, 8451-8455.	6.1	91
41	Electroless Ni-P layer with a chromium-free pretreatment on AZ91D magnesium alloy. <i>Surface and Coatings Technology</i> , 2007, 201, 4594-4600.	4.8	90
42	Electroless Ni-Sn-P coating on AZ91D magnesium alloy and its corrosion resistance. <i>Surface and Coatings Technology</i> , 2008, 202, 2570-2576.	4.8	87
43	Study of the formation and growth of tannic acid based conversion coating on AZ91D magnesium alloy. <i>Surface and Coatings Technology</i> , 2009, 204, 736-747.	4.8	87
44	Preparation and corrosion behaviors of calcium phosphate conversion coating on magnesium alloy. <i>Surface and Coatings Technology</i> , 2016, 307, 99-108.	4.8	85
45	Visible-light photocatalytic activity of nitrogen-doped TiO ₂ thin film prepared by pulsed laser deposition. <i>Applied Surface Science</i> , 2008, 254, 4620-4625.	6.1	84
46	Strain rate sensitivity of a nanocrystalline Cu synthesized by electric brush plating. <i>Applied Physics Letters</i> , 2006, 88, 143115.	3.3	83
47	Electroless deposition of Ni-W-P coating on AZ91D magnesium alloy. <i>Applied Surface Science</i> , 2007, 253, 5116-5121.	6.1	80
48	Optical and electrical properties of In-doped CdO thin films fabricated by pulse laser deposition. <i>Applied Surface Science</i> , 2010, 256, 2910-2914.	6.1	80
49	Uniting tensile ductility with ultrahigh strength via composition undulation. <i>Nature</i> , 2022, 604, 273-279.	27.8	80
50	Robust superhydrophobic surface on Al substrate with durability, corrosion resistance and ice-phobicity. <i>Scientific Reports</i> , 2016, 6, 20933.	3.3	79
51	Enhanced UV emission of Y-doped ZnO nanoparticles. <i>Applied Surface Science</i> , 2012, 258, 6735-6738.	6.1	76
52	Theoretical model for the tensile work hardening behaviour of dual-phase steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1991, 147, 55-65.	5.6	75
53	Photocatalytic activity of TiO ₂ films with mixed anatase and rutile structures prepared by pulsed laser deposition. <i>Thin Solid Films</i> , 2008, 516, 3394-3398.	1.8	75
54	A novel open architecture built by ultra-fine single-crystal Co ₂ (CO ₃) ₃ (OH) ₂ nanowires and reduced graphene oxide for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17171-17179.	10.3	74

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55	Effect of pH value and preparation temperature on the formation of magnesium phosphate conversion coatings on AZ31 magnesium alloy. <i>Applied Surface Science</i> , 2019, 492, 314-327.	6.1	74
56	Carbon-Encapsulated Co ₃ O ₄ Nanoparticles as Anode Materials with Super Lithium Storage Performance. <i>Scientific Reports</i> , 2015, 5, 16629.	3.3	73
57	A unique porous architecture built by ultrathin wrinkled NiCo ₂ /rGO/NiCo ₂ sandwich nanosheets for pseudocapacitance and Li ion storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10304-10313.	10.3	72
58	Microstructure and wear property of laser cladding Al+SiC powders on AZ91D magnesium alloy. <i>Optics and Lasers in Engineering</i> , 2010, 48, 526-532.	3.8	71
59	High strength and high ductility of electrodeposited nanocrystalline Ni with a broad grain size distribution. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 487, 410-416.	5.6	69
60	An organic chromium-free conversion coating on AZ91D magnesium alloy. <i>Applied Surface Science</i> , 2008, 255, 2322-2328.	6.1	68
61	High Efficient Photo-Fenton Catalyst of γ -Fe ₂ O ₃ /MoS ₂ Hierarchical Nanoheterostructures: Reutilization for Supercapacitors. <i>Scientific Reports</i> , 2016, 6, 31591.	3.3	68
62	Controlling growth of ZnO rods by polyvinylpyrrolidone (PVP) and their optical properties. <i>Applied Surface Science</i> , 2009, 255, 6978-6984.	6.1	66
63	Improvement of the Biodegradation Property and Biomineralization Ability of Magnesium-Hydroxyapatite Composites with Dicalcium Phosphate Dihydrate and Hydroxyapatite Coatings. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 818-828.	5.2	66
64	High Density Arrayed Ni/NiO Core-shell Nanospheres Evenly Distributed on Graphene for Ultrahigh Performance Supercapacitor. <i>Scientific Reports</i> , 2017, 7, 17709.	3.3	64
65	The performance of surfactant on the surface characteristics of electroless nickel coating on magnesium alloy. <i>Progress in Organic Coatings</i> , 2012, 74, 788-793.	3.9	63
66	Annealing effect on the photoluminescence properties of ZnO nanorod array prepared by a PLD-assistant wet chemical method. <i>Materials Characterization</i> , 2010, 61, 1239-1244.	4.4	62
67	Strain rate sensitivity of face-centered-cubic nanocrystalline materials based on dislocation deformation. <i>Journal of Applied Physics</i> , 2006, 99, 076103.	2.5	61
68	Optical and magnetic properties of Nd-doped ZnO nanoparticles. <i>Crystal Research and Technology</i> , 2012, 47, 713-718.	1.3	61
69	Structural, optical and electrical properties of cerium and gadolinium doped CdO thin films. <i>Applied Surface Science</i> , 2013, 274, 365-370.	6.1	60
70	Enhanced corrosion resistance and biocompatibility of biodegradable magnesium alloy modified by calcium phosphate/collagen coating. <i>Surface and Coatings Technology</i> , 2020, 401, 126318.	4.8	59
71	Investigation of nanocrystalline zinc-nickel alloy coatings in an alkaline zincate bath. <i>Surface and Coatings Technology</i> , 2005, 191, 59-67.	4.8	58
72	In situ prepared reduced graphene oxide/CoO nanowires mutually-supporting porous structure with enhanced lithium storage performance. <i>Electrochimica Acta</i> , 2016, 190, 276-284.	5.2	58

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73	Comparison of corrosion resistance and biocompatibility of magnesium phosphate (MgP), zinc phosphate (ZnP) and calcium phosphate (CaP) conversion coatings on Mg alloy. <i>Surface and Coatings Technology</i> , 2020, 397, 125919.	4.8	57
74	An analytical study of the influence of thermal residual stresses on the elastic and yield behaviors of short fiber-reinforced metal matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998, 248, 256-275.	5.6	56
75	Adsorption of CO on Surfaces of 4d and 5d Elements in Group VIII. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1005-1009.	3.1	55
76	Superhydrophilic Cu-doped TiO ₂ thin film for solar-driven photocatalysis. <i>Ceramics International</i> , 2014, 40, 5107-5110.	4.8	55
77	Effects of loading strain rate and stacking fault energy on nanoindentation creep behaviors of nanocrystalline Cu, Ni-20 wt.%Fe and Ni. <i>Journal of Alloys and Compounds</i> , 2015, 647, 670-680.	5.5	55
78	An elevated temperature Mg ¹⁰⁰ Dy ¹⁰⁰ Zn alloy with long period stacking ordered phase by extrusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 3609-3614.	5.6	54
79	Structural Selectivity of CO Oxidation on Fe/N/C Catalysts. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17572-17579.	3.1	54
80	Improvement of corrosion resistance of H59 brass through fabricating superhydrophobic surface using laser ablation and heating treatment. <i>Corrosion Science</i> , 2021, 180, 109186.	6.6	54
81	Deformation-induced localized solid-state amorphization in nanocrystalline nickel. <i>Scientific Reports</i> , 2012, 2, 493.	3.3	53
82	Synthesis of amorphous TiO ₂ modified ZnO nanorod film with enhanced photocatalytic properties. <i>Applied Surface Science</i> , 2014, 299, 97-104.	6.1	53
83	Potential dependent and structural selectivity of the oxygen reduction reaction on nitrogen-doped carbon nanotubes: a density functional theory study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11715.	2.8	52
84	A Ni _{1-x} Zn _x S/Ni foam composite electrode with multi-layers: one-step synthesis and high supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12929-12939.	10.3	52
85	Reversible wettability transition between superhydrophilicity and superhydrophobicity through alternate heating-reheating cycle on laser-ablated brass surface. <i>Applied Surface Science</i> , 2019, 492, 349-361.	6.1	52
86	Al-doped ZnO films by pulsed laser deposition at room temperature. <i>Vacuum</i> , 2006, 81, 18-21.	3.5	51
87	High Strength Nanocrystalline Ni-Co Alloy with Enhanced Tensile Ductility. <i>Advanced Engineering Materials</i> , 2006, 8, 252-256.	3.5	51
88	Optical properties and photocatalytic activity of Nd-doped ZnO powders. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 1434-1439.	4.2	51
89	<i>In situ</i> phosphating of Zn-doped bimetallic skeletons as a versatile electrocatalyst for water splitting. <i>Energy and Environmental Science</i> , 2022, 15, 2425-2434.	30.8	50
90	Influence of preparation methods on photoluminescence properties of ZnO films on quartz glass. <i>Transactions of Nonferrous Metals Society of China</i> , 2008, 18, 145-149.	4.2	49

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91	CuS/MnS composite hexagonal nanosheet clusters: Synthesis and enhanced pseudocapacitive properties. <i>Electrochimica Acta</i> , 2018, 271, 425-432.	5.2	49
92	Boosting the OER/ORR/HER activity of Ru-doped Ni/Co oxides heterostructure. <i>Chemical Engineering Journal</i> , 2022, 439, 135634.	12.7	49
93	Reduced core-shell structured MnCo ₂ O ₄ @MnO ₂ nanosheet arrays with oxygen vacancies grown on Ni foam for enhanced-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156504.	5.5	48
94	Reduced graphene oxide wrapped Fe ₃ O ₄ @Co ₃ O ₄ yolk-shell nanostructures for advanced catalytic oxidation based on sulfate radicals. <i>Applied Surface Science</i> , 2017, 396, 945-954.	6.1	47
95	MoS ₂ Nanosheet-Polypyrrole Composites Deposited on Reduced Graphene Oxide for Supercapacitor Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 1330-1339.	5.0	47
96	Preparation and Corrosion Behavior of Calcium Phosphate and Hydroxyapatite Conversion Coatings on AM60 Magnesium Alloy. <i>Journal of the Electrochemical Society</i> , 2013, 160, C536-C541.	2.9	46
97	Structural, optical and electrical properties of Zn _{1-x} Cd _x O thin films prepared by PLD. <i>Applied Surface Science</i> , 2011, 257, 5657-5662.	6.1	45
98	Single-crystalline Ni(OH) ₂ nanosheets vertically aligned on a three-dimensional nanoporous metal for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23412-23419.	10.3	45
99	External Electric Field Catalyzed N ₂ O Decomposition on Mn-Embedded Graphene. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20342-20348.	3.1	44
100	Ni Foam@Ni ₃ S ₂ @Ni(OH) ₂ @Graphene Sandwich Structure Electrode Materials: Facile Synthesis and High Supercapacitor Performance. <i>Chemistry - A European Journal</i> , 2017, 23, 4128-4136.	3.3	43
101	A Strategy for Synthesis of Nanosheets Consisting of Alternating Spinel Li ₄ Ti ₅ O ₁₂ and Rutile TiO ₂ Lamellas for High-Rate Anodes of Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4649-4657.	8.0	42
102	A dislocation density approximation for the flow stress-grain size relation of polycrystals. <i>Acta Metallurgica Et Materialia</i> , 1995, 43, 3349-3360.	1.8	41
103	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. <i>RSC Advances</i> , 2015, 5, 56001-56010.	3.6	41
104	Forming limit diagram of sheet metal in the negative minor strain region. <i>Materials Science and Engineering</i> , 1987, 86, 137-144.	0.1	40
105	Application of Hill's new yield theory to sheet metal forming-Part I. Hill's 1979 criterion and its application to predicting sheet forming limit. <i>International Journal of Mechanical Sciences</i> , 1989, 31, 237-247.	6.7	40
106	A modified Hall-Petch relationship for nanocrystalline materials. <i>Scripta Materialia</i> , 1993, 2, 415-419.	0.5	40
107	Layered nanostructured Ni with modulated hardness fabricated by surfactant-assistant electrodeposition. <i>Scripta Materialia</i> , 2007, 57, 233-236.	5.2	40
108	Nanostructured Mn ₃ O ₄ @reduced graphene oxide hybrid and its applications for efficient catalytic decomposition of Orange II and high lithium storage capacity. <i>RSC Advances</i> , 2014, 4, 41838-41847.	3.6	40

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109	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
110	Theoretical Study of C ₂ H ₂ Adsorbed on Low-Index Cu Surfaces. Journal of Physical Chemistry C, 2007, 111, 18189-18194.	3.1	39
111	One-step synthesis of Ni ₃ Sn ₂ @reduced graphene oxide composite with enhanced electrochemical lithium storage properties. Electrochimica Acta, 2016, 192, 188-195.	5.2	39
112	The relationship between ductility and material parameters for dual-phase steel. Journal of Materials Science, 1993, 28, 1814-1818.	3.7	38
113	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
114	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
115	Deposition of electroless Ni-P/Ni-W-P duplex coatings on AZ91D magnesium alloy. Transactions of Nonferrous Metals Society of China, 2008, 18, s323-s328.	4.2	37
116	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
117	Multilayer Ni-P Coating for Improving the Corrosion Resistance of AZ91D Magnesium Alloy. Advanced Engineering Materials, 2005, 7, 1032-1036.	3.5	36
118	Electrochemical synthesis and optical properties of ZnO thin film on In ₂ O ₃ :Sn (ITO)-coated glass. Applied Surface Science, 2007, 253, 7011-7015.	6.1	36
119	Ductile-“brittle”-ductile transition in an electrodeposited 13 nanometer grain sized Ni-8.6wt.% Co alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 459, 75-81.	5.6	36
120	Surface Energy and Electronic Structures of Ag Quasicrystal Clusters. Journal of Physical Chemistry C, 2009, 113, 1168-1170.	3.1	36
121	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
122	ZnO thin film formation on Si(111) by laser ablation of Zn target in oxygen atmosphere. Journal of Crystal Growth, 2005, 279, 447-453.	1.5	35
123	Microstructure and properties of thin wall by laser cladding forming. Journal of Materials Processing Technology, 2009, 209, 4970-4976.	6.3	35
124	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
125	Synthesis of YSZ nanocrystalline particles via the nitrate-citrate combustion route using diester phosphate (PE) as dispersant. Materials Letters, 2003, 57, 2792-2797.	2.6	34
126	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

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127	Deformation mechanism transition caused by strain rate in a pulse electric brush-plated nanocrystalline Cu. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	33
128	Structural, optical and electrical characterization of gadolinium and indium doped cadmium oxide/p-silicon heterojunctions for solar cell applications. <i>RSC Advances</i> , 2014, 4, 52451-52460.	3.6	33
129	Effects of seed layer on the structure and property of zinc oxide thin films electrochemically deposited on ITO-coated glass. <i>Applied Surface Science</i> , 2008, 254, 6605-6610.	6.1	32
130	High corrosion resistance of electroless Ni-P with chromium-free conversion pre-treatments on AZ91D magnesium alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 921-928.	4.2	32
131	Electromagnetic shielding and corrosion resistance of electroless Ni-P and Ni-P-Cu coatings on polymer/carbon fiber composites. <i>Polymer Composites</i> , 2015, 36, 923-930.	4.6	32
132	A new relationship between the flow stress and the microstructural parameters for dual phase steel. <i>Acta Metallurgica Et Materialia</i> , 1992, 40, 1587-1597.	1.8	31
133	A new analytical model for three-dimensional elastic stress field distribution in short fibre composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 366, 381-396.	5.6	31
134	The Optimal Grain Sized Nanocrystalline Ni with High Strength and Good Ductility Fabricated by a Direct Current Electrodeposition. <i>Advanced Engineering Materials</i> , 2008, 10, 539-546.	3.5	31
135	Double-peak ageing behavior of Mg ϵ -0.5Zn alloy. <i>Journal of Alloys and Compounds</i> , 2011, 509, 8268-8275.	5.5	31
136	Ultrathin Mesoporous NiCo ₂ O ₄ Nanosheet Networks as High-Performance Anodes for Lithium Storage. <i>ChemPlusChem</i> , 2015, 80, 1725-1731.	2.8	31
137	Thermodynamic analysis on wetting states and wetting state transitions of rough surfaces. <i>Advances in Colloid and Interface Science</i> , 2020, 278, 102136.	14.7	31
138	Necking development and strain to fracture under uniaxial tension. <i>Materials Science and Engineering</i> , 1986, 84, 157-162.	0.1	30
139	Composite Microstructure and Formation Mechanism of Calcium Phosphate Conversion Coating on Magnesium Alloy. <i>Journal of the Electrochemical Society</i> , 2016, 163, G138-G143.	2.9	30
140	Nanoindentation creep behavior and its relation to activation volume and strain rate sensitivity of nanocrystalline Cu. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 751, 35-41.	5.6	30
141	Modeling size and surface effects on ZnS phase selection. <i>Chemical Physics Letters</i> , 2008, 455, 202-206.	2.6	29
142	Influence of sodium metanitrobenzene sulphonate on structures and surface morphologies of phosphate coating on AZ91D. <i>Transactions of Nonferrous Metals Society of China</i> , 2006, 16, 567-571.	4.2	28
143	Strain rate dependence of tensile ductility in an electrodeposited Cu with ultrafine grain size. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 479, 136-141.	5.6	28
144	Cu surfaces with controlled structures: From intrinsically hydrophilic to apparently superhydrophobic. <i>Applied Surface Science</i> , 2014, 290, 320-326.	6.1	28

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145	Enhanced optical absorption and photocatalytic activity of Cu/N-codoped TiO ₂ nanocrystals. <i>Materials Science in Semiconductor Processing</i> , 2014, 24, 247-253.	4.0	28
146	Biocompatible DCPD Coating Formed on AZ91D Magnesium Alloy by Chemical Deposition and Its Corrosion Behaviors in SBF. <i>Journal of Bionic Engineering</i> , 2014, 11, 610-619.	5.0	27
147	Enhanced Photocatalytic Performance of Supported Fe Doped ZnO Nanorod Arrays Prepared by Wet Chemical Method. <i>Catalysis Letters</i> , 2014, 144, 347-354.	2.6	26
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