

Chunxu Pan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

215
papers

7,690
citations

45
h-index

81
g-index

221
ext. papers

8,812
ext. citations

4.3
avg, IF

6.4
L-index

#	Paper	IF	Citations
215	Ultra-stretchable, super-hydrophobic and high-conductive composite for wearable strain sensors with high sensitivity.. <i>Journal of Colloid and Interface Science</i> , 2022 , 617, 372-382	9.3	3
214	Novel 3D Hierarchical Porous Carbon/Metal Oxides or Carbide Composites. <i>Advances in Material Research and Technology</i> , 2022 , 293-317	0.4	
213	One-Step Construction of Multi-Walled CNTs Loaded with Alpha-FeO Nanoparticles for Efficient Photocatalytic Properties. <i>Materials</i> , 2021 , 14,	3.5	1
212	Graphene-Reinforced Zn-Ni Alloy Composite Coating on Iron Substrates by Pulsed Reverse Electrodeposition and Its High Corrosion Resistance. <i>ACS Omega</i> , 2021 , 6, 13728-13741	3.9	2
211	Synthesis of flower-like twin crystal ternary Ni/NiS/Zn _{0.2} Cd _{0.8} S catalyst for highly efficient hydrogen production. <i>Chemical Engineering Journal</i> , 2021 , 406, 126878	14.7	19
210	Hierarchical porous "skin/skeleton"-like MXene/biomass derived carbon fibers heterostructure for self-supporting, flexible all solid-state supercapacitors. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124565	12.8	17
209	Correction: The potential role of borophene as a radiosensitizer in boron neutron capture therapy (BNCT) and particle therapy (PT). <i>Biomaterials Science</i> , 2021 , 9, 2743-2744	7.4	0
208	Scalable Production of Boron Quantum Dots for Broadband Ultrafast Nonlinear Optical Performance. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
207	Effect of metal's inherent characteristics on sensibility of flexible metal-based composite sensor and its applications. <i>Sensors and Actuators A: Physical</i> , 2021 , 327, 112754	3.9	
206	Construction of Direct Z-Scheme Heterojunction NiFe-Layered Double Hydroxide (LDH)/ZnCdS for Photocatalytic H Evolution. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 39331-39340	9.5	6
205	Bio-inspired (GO/CNTs)-PU hydrophobic coating via replication of Lotus leaf and its enhanced mechanical and anti-corrosion properties. <i>Progress in Organic Coatings</i> , 2021 , 159, 106414	4.8	0
204	A novel hollow flower-like 0D/3D Zn _{0.5} Cd _{0.5} S/NiCoZn-LDH photocatalyst with n-n heterojunction for high hydrogen production. <i>Applied Surface Science</i> , 2021 , 564, 150379	6.7	2
203	Facile preparation of NiO nanoparticles anchored on N/P-codoped 3D carbon nanofibers network for high-performance asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021 , 888, 161488	5.7	9
202	"One-Step" Carbonization Activation of Garlic Seeds for Honeycomb-like Hierarchical Porous Carbon and Its High Supercapacitor Properties. <i>ACS Omega</i> , 2020 , 5, 29913-29921	3.9	10
201	One-step synthesis of sandwich-type Cu/graphene/Cu ultrathin foil with enhanced property via electrochemical route. <i>Materials and Design</i> , 2020 , 191, 108629	8.1	7
200	Study on manufacturing process of ancient Chinese bi-metallic bronze Ge. <i>Archaeological and Anthropological Sciences</i> , 2020 , 12, 1	1.8	0
199	Synergistic effect of Gr and CNTs on preparing ultrathin Cu-(CNTs+Gr) composite foil via electrodeposition. <i>Composites Part B: Engineering</i> , 2020 , 187, 107841	10	17

198	Rational Construction of a WS ₂ /CoS ₂ Heterostructure Electrocatalyst for Efficient Hydrogen Evolution at All pH Values. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4474-4480	8.3	32
197	Inward Growth Corrosion and Its Growth Mechanism in Ancient Chinese Bronzes. <i>MRS Advances</i> , 2020 , 5, 1457-1466	0.7	1
196	Nitrogen Self-Doped Porous Carbon for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1585-1592	6.1	59
195	One-step construction of 3D N/P-codoped hierarchically porous carbon framework in-situ armored Mn ₃ O ₄ nanoparticles for high-performance flexible supercapacitors. <i>Electrochimica Acta</i> , 2020 , 333, 135496	6.7	14
194	Mn ₃ O ₄ embedded 3D multi-heteroatom codoped carbon sheets/carbon foams composites for high-performance flexible supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020 , 849, 156666	5.7	16
193	Spontaneous Symmetry-Breaking in the Corrosion Transformation of Ancient Bronzes. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 656	2.4	1
192	MXene/N-Doped Carbon Foam with Three-Dimensional Hollow Neuron-like Architecture for Freestanding, Highly Compressible All Solid-State Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44777-44788	9.5	41
191	Single-Atom Tungsten-Doped CoP Nanoarrays as a High-Efficiency pH-Universal Catalyst for Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 14825-14832	8.3	32
190	The potential role of borophene as a radiosensitizer in boron neutron capture therapy (BNCT) and particle therapy (PT). <i>Biomaterials Science</i> , 2020 , 8, 2778-2785	7.4	12
189	Ag/graphene composite based on high-quality graphene with high electrical and mechanical properties. <i>Progress in Natural Science: Materials International</i> , 2019 , 29, 384-389	3.6	5
188	A Wrinkled Ag/CNTs-PDMS Composite Film for a High-Performance Flexible Sensor and Its Applications in Human-Body Single Monitoring. <i>Nanomaterials</i> , 2019 , 9,	5.4	22
187	NiFe-LDH@ZnO@NF composite for photo-degradation of Rhodamine B dye. <i>MRS Advances</i> , 2019 , 4, 1887-1893	0.7	2
186	A novel strategy to enhance the multiple interface effect using amorphous carbon packaged hydrogenated TiO ₂ for stable and effective microwave absorption. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6152-6160	7.1	19
185	Green mass synthesis of graphene oxide and its MnO ₂ composite for high performance supercapacitor. <i>Electrochimica Acta</i> , 2019 , 312, 11-21	6.7	51
184	Flexible photodetectors based on reticulated SWNT/perovskite quantum dot heterostructures with ultrahigh durability. <i>Nanoscale</i> , 2019 , 11, 8020-8026	7.7	20
183	NiCo ₂ O ₄ bricks as anode materials with high lithium storage property. <i>MRS Advances</i> , 2019 , 4, 1861-1868.	6.7	1
182	High Performance Polymer Thermoelectric Composite Achieved by Carbon-Coated Carbon Nanotubes Network. <i>ACS Applied Energy Materials</i> , 2019 , 2, 2427-2434	6.1	21
181	Preparation of Metal-Gr Composite Coatings via Electro-Plating for High Performances: A Review. <i>MRS Advances</i> , 2019 , 4, 1913-1928	0.7	

180	TiO/graphene/CuSbS mixed-dimensional array with high-performance photoelectrochemical properties.. <i>RSC Advances</i> , 2019 , 9, 33747-33754	3.7	3
179	Preparation of Cu- graphene coating via electroless plating for high mechanical property and corrosive resistance. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 877-885	5.7	27
178	From 2-D Nanocrystalline Films to 1-D Nanomaterials: An Overview. <i>MRS Advances</i> , 2018 , 3, 803-816	0.7	
177	Preparation of Metal Nanoparticle Decorated Graphene Hybrid Composites: A Review. <i>MRS Advances</i> , 2018 , 3, 849-854	0.7	3
176	Copper-Graphene Composite Foils via Electro-Deposition: A Mini Review. <i>MRS Advances</i> , 2018 , 3, 37-44	0.7	1
175	Direct Fractographic Evaluation of Multilayer CNx/TiN Films by Magnetron Sputtering. <i>MRS Advances</i> , 2018 , 3, 949-955	0.7	
174	Research Advances of Bio-Inspired Carbon Nanotubes-Based Sensors. <i>MRS Advances</i> , 2018 , 3, 1-11	0.7	5
173	Construction of hierarchical TiO ₂ nanorod array/graphene/ZnO nanocomposites for high-performance photocatalysis. <i>Journal of Materials Science</i> , 2018 , 53, 15376-15389	4.3	17
172	Preparation of Fe - Gr composite layer via DC electro-plating for high performances. <i>Journal of Alloys and Compounds</i> , 2018 , 768, 859-865	5.7	7
171	Positron Annihilation Study of High-Temperature Oxidation Behavior of Zr/Nb Alloy. <i>Oxidation of Metals</i> , 2018 , 90, 657-669	1.6	1
170	Influence of Graphene Oxide Content on the Zn-Gr Composite Layer Prepared by Pulse Reverse Electro-plating. <i>Journal of the Electrochemical Society</i> , 2018 , 165, D501-D510	3.9	15
169	Functionalized Graphene for Mechanical Property Enhancement of Polymer Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 7203-7206	1.3	2
168	Tuning the Electromagnetic Synergistic Effects for Enhanced Microwave Absorption via Magnetic Nickel Core Encapsulated in Hydrogenated Anatase TiO ₂ Shell. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 12046-12054	8.3	33
167	Formation of black patina on an ancient Chinese bronze sword of the Warring States Period. <i>Applied Surface Science</i> , 2018 , 455, 724-728	6.7	7
166	Preparation of high-concentration substitutional carbon-doped TiO film a two-step method for high-performance photocatalysis.. <i>RSC Advances</i> , 2018 , 8, 36691-36696	3.7	2
165	Electrospun titania fibers by incorporating graphene/Ag hybrids for the improved visible-light photocatalysis. <i>Frontiers of Materials Science</i> , 2018 , 12, 379-391	2.5	4
164	Direct determination of graphene amount in electrochemical deposited Cu-based composite foil and its enhanced mechanical property. <i>RSC Advances</i> , 2017 , 7, 1735-1742	3.7	18
163	Selective Growth of Semiconducting Single-Walled Carbon Nanotubes by In Situ Methods. <i>MRS Advances</i> , 2017 , 2, 109-116	0.7	

162	Preparation of Sandwich-like NiCoO/rGO/NiO Heterostructure on Nickel Foam for High-Performance Supercapacitor Electrodes. <i>Nano-Micro Letters</i> , 2017 , 9, 16	19.5	44
161	Present Perspectives of Advanced Characterization Techniques in TiO-Based Photocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23265-23286	9.5	78
160	Carbon Nanomaterials for Applications on Supercapacitors. <i>MRS Advances</i> , 2017 , 2, 3283-3289	0.7	1
159	Highly Sensitive, Durable, and Multifunctional Sensor Inspired by a Spider. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19955-19962	9.5	63
158	Preparation of three-dimensional graphene foam for high performance supercapacitors. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 177-181	3.6	40
157	Preparation of high-quality graphene via electrochemical exfoliation & spark plasma sintering and its applications. <i>Applied Surface Science</i> , 2017 , 397, 213-219	6.7	32
156	Preparation of Cu-Graphene Composite Thin Foils via DC Electro-Deposition and Its Optimal Conditions for Highest Properties. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D652-D659	3.9	26
155	Research Progress on Ancient Bronze Corrosion in Different Environments and Using Different Conservation Techniques: A Review. <i>MRS Advances</i> , 2017 , 2, 2033-2041	0.7	2
154	Synthesis and enhanced microwave absorption properties: a strongly hydrogenated TiO nanomaterial. <i>Nanotechnology</i> , 2017 , 28, 425701	3.4	21
153	Edge-riched graphene nanoribbon for high capacity electrode materials. <i>Electrochimica Acta</i> , 2017 , 250, 84-90	6.7	24
152	Preparation of Au nanoparticle-decorated ZnO/NiO heterostructure via nonsolvent method for high-performance photocatalysis. <i>Journal of Materials Science</i> , 2017 , 52, 1285-1295	4.3	27
151	Highly porous graphitic biomass carbon as advanced electrode materials for supercapacitors. <i>Green Chemistry</i> , 2017 , 19, 4132-4140	10	573
150	Photocatalytic mechanism of high-activity anatase TiO ₂ with exposed (001) facets from molecular-atomic scale: HRTEM and Raman studies. <i>Frontiers of Materials Science</i> , 2017 , 11, 358-365	2.5	1
149	Hydrothermal synthesis of the novel rutile-mixed anatase TiO ₂ nanosheets with dominant {001} facets for high photocatalytic activity. <i>RSC Advances</i> , 2016 , 6, 84035-84041	3.7	17
148	Plasma Transferred Arc Surface Alloying of Cr-Ni-Mo Powders on Compacted Graphite Iron. <i>Journal of Iron and Steel Research International</i> , 2016 , 23, 618-624	1.2	4
147	Bioinspired Single-Walled Carbon Nanotubes as a Spider Silk Structure for Ultrahigh Mechanical Property. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31256-31263	9.5	22
146	Facile synthesis of hybrid CNTs/NiCo ₂ S ₄ composite for high performance supercapacitors. <i>Scientific Reports</i> , 2016 , 6, 29788	4.9	93
145	Carbon Nanomaterials in Flames: from 0-D to 1-D and 2-D. <i>MRS Advances</i> , 2016 , 1, 1313-1325	0.7	1

144	A rational design for the separation of metallic and semiconducting single-walled carbon nanotubes using a magnetic field. <i>Nanoscale</i> , 2016 , 8, 13017-24	7.7	11
143	O ₂ adsorption and dissociation on an anatase (101) surface with a subsurface Ti interstitial. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 4569-76	3.6	11
142	Preparation of TiO ₂ -Coated Mo Powders for High Photocatalytic Property. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 79-83	3.8	1
141	A Physical Route to High Performance Heterojunction Composites: Experiments, Mechanism and Applications. <i>MRS Advances</i> , 2016 , 1, 441-446	0.7	
140	Photoreactivity and Mechanism of g-C ₃ N ₄ and Ag Co-Modified Bi ₂ WO ₆ Microsphere under Visible Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3017-3023	8.3	123
139	Highly responsive MoS ₂ photodetectors enhanced by graphene quantum dots. <i>Scientific Reports</i> , 2015 , 5, 11830	4.9	131
138	Surface doping of La ions into ZnO nanocrystals to lower the optimal working temperature for HCHO sensing properties. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 27437-45	3.6	45
137	A high energy output nanogenerator based on reduced graphene oxide. <i>Nanoscale</i> , 2015 , 7, 18147-51	7.7	18
136	Conductive enhancement of copper/graphene composites based on high-quality graphene. <i>RSC Advances</i> , 2015 , 5, 80428-80433	3.7	53
135	Preparation of 3D reticulated ZnO/CNF/NiO heteroarchitecture for high-performance photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2015 , 166-167, 217-223	21.8	71
134	Graphene-based Nanogenerator: Experiments, Theories and Applications. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1782, 15-21		1
133	Magnetic Field-assisted Preparations for 1-D Carbon Nanomaterials: A Review. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1786, 43-49		
132	Dark photovoltaic effects of Ti-rooted TiO ₂ nanopillars as the anode in CdSe-sensitised solar cell. <i>Materials Research Innovations</i> , 2015 , 19, s25-s29	1.9	1
131	Facile Synthesis of Carbon Nanosphere/NiCo ₂ O ₄ Core-shell Sub-microspheres for High Performance Supercapacitor. <i>Scientific Reports</i> , 2015 , 5, 12903	4.9	95
130	Diamond synthesis from carbon nanofibers at low temperature and low pressure. <i>Scientific Reports</i> , 2015 , 5, 13879	4.9	20
129	Lattice distortion mechanism study of TiO ₂ nanoparticles during photocatalysis degradation and reactivation. <i>AIP Advances</i> , 2015 , 5, 057105	1.5	10
128	Black Phosphorus Polymer Composites for Pulsed Lasers. <i>Advanced Optical Materials</i> , 2015 , 3, 1447-1453	8.1	192
127	Strong magnetic field-assisted growth of carbon nanofibers and its microstructural transformation mechanism. <i>Scientific Reports</i> , 2015 , 5, 9062	4.9	19

126	Microarc Oxidation 2015 , 257-276		3
125	Influence of graphene microstructures on electrochemical performance for supercapacitors. <i>Progress in Natural Science: Materials International</i> , 2015 , 25, 379-385	3.6	203
124	Broadband photodetectors based on graphene-Bi ₂ Te ₃ heterostructure. <i>ACS Nano</i> , 2015 , 9, 1886-94	16.7	280
123	Quick and facile preparation of visible light-driven TiO ₂ photocatalyst with high absorption and photocatalytic activity. <i>Scientific Reports</i> , 2014 , 4, 7045	4.9	57
122	Preparation of porous microflano-structure NiO/ZnO heterojunction and its photocatalytic property. <i>RSC Advances</i> , 2014 , 4, 3090-3095	3.7	81
121	Preparation of a ZnO/TiO ₂ vertical-nanoneedle-on-film heterojunction and its photocatalytic properties. <i>RSC Advances</i> , 2014 , 4, 18186	3.7	19
120	Interaction of hydrogen with defects in ZnO nanoparticles studied by positron annihilation, Raman and photoluminescence spectroscopy. <i>CrystEngComm</i> , 2014 , 16, 1207	3.3	44
119	Electrospun nanofibers of p-type BiFeO ₃ /n-type TiO ₂ hetero-junctions with enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2014 , 4, 31941	3.7	60
118	O ₂ Adsorption and Dissociation on A Hydrogenated Anatase (101) Surface. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3471-3482	3.8	28
117	Unusual electroluminescence from n-ZnO@i-MgO core-shell nanowire color-tunable light-emitting diode at reverse bias. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 9302-8	3.6	18
116	Mechanical property enhancement of PVDF/graphene composite based on a high-quality graphene. <i>Journal of Materials Science</i> , 2014 , 49, 8311-8316	4.3	30
115	Preparation and enhanced photocatalytic activity of TiO ₂ nanocrystals with internal pores. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1608-15	9.5	95
114	The role of F-dopants in adsorption of gases on anatase TiO ₂ (001) surface: a first-principles study. <i>RSC Advances</i> , 2014 , 4, 35928-35942	3.7	5
113	Carbon deposited TiO ₂ -based nanosheets with enhanced adsorption ability and visible light photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , 2014 , 392, 208-215		12
112	Photo-Anodic Polymerization of Pyrrole on Nanoclustered TiO ₂ from Hydrothermal One-Step on Pure Ti. <i>Polymers and Polymer Composites</i> , 2014 , 22, 729-736	0.8	
111	Synthesis of nitrogen doped graphene from graphene oxide within an ammonia flame for high performance supercapacitors. <i>RSC Advances</i> , 2014 , 4, 55394-55399	3.7	66
110	Modification performance on 4032 Al alloy by using Al ₁₀₀ OSr master alloys manufactured from different processes. <i>Progress in Natural Science: Materials International</i> , 2014 , 24, 87-96	3.6	10
109	Nitrogen atom diffusion into TiO ₂ anatase bulk via surfaces. <i>Computational Materials Science</i> , 2014 , 82, 107-113	3.2	11

108	Preparation of ZnO/graphene heterojunction via high temperature and its photocatalytic property. <i>Journal of Materials Science</i> , 2014 , 49, 1854-1860	4.3	21
107	Relationships between microstructures and properties of chinese ancient bronzes. <i>Wuhan University Journal of Natural Sciences</i> , 2013 , 18, 226-232	0.4	2
106	Techniques employed in making ancient thin-walled bronze vessels unearthed in Hubei Province, China. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 111, 913-922	2.6	3
105	Near-ultraviolet light-emitting diodes realized from n-ZnO nanorod/p-GaN direct-bonding heterostructures. <i>Journal of Luminescence</i> , 2013 , 137, 116-120	3.8	30
104	CNTs/TiO ₂ composites and its electrochemical properties after UV light irradiation. <i>Progress in Natural Science: Materials International</i> , 2013 , 23, 164-169	3.6	26
103	Facile synthesis of PANI-modified CoFe ₂ O ₄ /TiO ₂ hierarchical flower-like nanoarchitectures with high photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	37
102	Influence of hydroxyl groups on the adsorption of HCHO on TiO ₂ -B(100) surface by first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 3866-80	3.6	5
101	Electron backscatter diffraction analysis on the microstructures of electrolytic Cu deposition in the through hole filling process. <i>Thin Solid Films</i> , 2013 , 544, 412-418	2.2	13
100	Strain induced chemical potential difference between monolayer graphene sheets. <i>Nanoscale</i> , 2013 , 5, 2616-9	7.7	15
99	High quality graphene sheets from graphene oxide by hot-pressing. <i>Carbon</i> , 2013 , 54, 143-148	10.4	72
98	Effect of hydrogen on O ₂ adsorption and dissociation on a TiO ₂ anatase (001) surface. <i>ChemPhysChem</i> , 2013 , 14, 996-1002	3.2	12
97	Polypyrrole-decorated Ag-TiO ₂ nanofibers exhibiting enhanced photocatalytic activity under visible-light illumination. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6201-7	9.5	209
96	A novel route to ZnO/TiO ₂ heterojunction composite fibers. <i>Journal of Materials Research</i> , 2013 , 28, 507-512	2.5	23
95	Ni/Ni Codoped Anatase TiO ₂ Nanocrystals with Exposed {001} Facets Through Two-Step Hydrothermal Route. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 2951-2956	3.8	31
94	Specific corrosion product on interior surface of a bronze wine vessel with loop-handle and its growth mechanism, Shang Dynasty, China. <i>Materials Characterization</i> , 2012 , 68, 88-93	3.9	7
93	Fabrication and characterization of electrospun TiO ₂ /CuS micro/nano-scaled composite fibers. <i>Progress in Natural Science: Materials International</i> , 2012 , 22, 59-63	3.6	22
92	High-voltage electric-field-induced growth of aligned flow-nipple-like submicro-nano carbon isomeric structure via chemical vapor deposition. <i>Journal of Applied Physics</i> , 2012 , 112, 114310	2.5	4
91	Raman Spectroscopy: A New Approach to Measure the Percentage of Anatase TiO ₂ Exposed (001) Facets. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7515-7519	3.8	536

90	Morphologies of Al ₄ Sr Intermetallic Phase and Its Modification Property upon A356 Alloys. <i>Journal of Materials Science and Technology</i> , 2012 , 28, 524-530	9.1	20
89	The production of nitrogen-doped graphene from mixed amine plus ethanol flames. <i>Thin Solid Films</i> , 2012 , 520, 6850-6855	2.2	32
88	First principles study of the adsorption of a NO molecule on N-doped anatase nanoparticles. <i>Applied Surface Science</i> , 2012 , 258, 8312-8318	6.7	32
87	In situ preparation of a TiO ₂ /Eu ₂ O ₃ composite film upon Ti alloy substrate by micro-arc oxidation and its photo-catalytic property. <i>Journal of Alloys and Compounds</i> , 2012 , 538, 16-20	5.7	26
86	Adsorption and diffusion studies of an O adatom on TiO ₂ anatase surfaces with first principles calculations. <i>Computational Materials Science</i> , 2012 , 63, 58-65	3.2	14
85	Formaldehyde on TiO ₂ anatase (101): A DFT study. <i>Computational Materials Science</i> , 2012 , 51, 389-395	3.2	46
84	Characterization of Oxygen Vacancy Associates within Hydrogenated TiO ₂ : A Positron Annihilation Study. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 22619-22624	3.8	407
83	Influences of mutations on the electrostatic binding free energies of chloride ions in Escherichia coli CLC. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 6431-8	3.4	4
82	Microstructure of Al ₄ Sr Phase in Al-Sr Master Alloy and its Effect on Modification Properties. <i>Procedia Engineering</i> , 2012 , 27, 805-814		12
81	Measurements of mechanical properties and number of layers of graphene from nano-indentation. <i>Diamond and Related Materials</i> , 2012 , 24, 1-5	3.5	123
80	First-Principles Study of Formaldehyde Adsorption on TiO ₂ Rutile (110) and Anatase (001) Surfaces. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8044-8053	3.8	66
79	Effective photocatalytic properties of N doped Titanium dioxide nanotube arrays prepared by anodization. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012 , 106, 341-353	1.6	16
78	Enhanced Photoactivity of Fe + N Codoped Anatase-Rutile TiO ₂ Nanowire Film under Visible Light Irradiation. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-8	2.1	6
77	Measurements of mechanical properties of β phase in Cu ₃ Sn alloys by using instrumented nanoindentation. <i>Journal of Materials Research</i> , 2012 , 27, 192-196	2.5	7
76	Improved and orange emission from an n-ZnO/p-Si heterojunction light emitting device with NiO as the intermediate layer. <i>Applied Physics Letters</i> , 2012 , 101, 223504	3.4	22
75	The ripple's enhancement in graphene sheets by spark plasma sintering. <i>AIP Advances</i> , 2011 , 1, 032170	1.5	2
74	Enhanced Electrochemical Capacitance of Nitrogen-Doped Carbon Nanotubes Synthesized from Amine Flames. <i>Soft Nanoscience Letters</i> , 2011 , 01, 16-23	0.3	28
73	Interface enhancement of glass fiber reinforced vinyl ester composites with flame-synthesized carbon nanotubes and its enhancing mechanism. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 534-8	9.5	47

72	Photocatalytic and degradation mechanisms of anatase TiO ₂ : a HRTEM study. <i>Catalysis Science and Technology</i> , 2011 , 1, 273	5.5	77
71	Micro-arc oxidation of TC4 substrates to fabricate TiO ₂ /YAG:Ce ³⁺ compound films with enhanced photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2011 , 509, L137-L141	5.7	32
70	Welding of Ti-6Al-4V alloy using dynamically controlled plasma arc welding process. <i>Transactions of Nonferrous Metals Society of China</i> , 2011 , 21, 1506-1512	3.3	23
69	Nitrogen-doped carbon nanotubes from amine flames. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 1060-7	1.3	13
68	High Concentration Substitutional N-Doped TiO ₂ Film: Preparation, Characterization, and Photocatalytic Property. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 4078-4083	3.8	35
67	Engineering Nanostructured Bi ₂ WO ₆ /TiO ₂ Toward Effective Utilization of Natural Light in Photocatalysis. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 4157-4161	3.8	64
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