Zheng Jun Zhang

List of Publications by Year in Descending Order

212 papers	5,134 citations	39 h-index	61 g-index
222 ext. papers	5,843 ext. citations	4.3 avg, IF	5.93 L-index

#	Paper	IF	Citations
212	Tailoring TiO2/Al2O3 heterolayers as optical filters for the visible region. *Nanoscale Advances*, **2022**, 4, 1608-1616	5.1	
211	Bismuth vanadate/MXene (BiVO/TiC) heterojunction composite: enhanced interfacial control charge transfer for highly efficient visible light photocatalytic activity. *Environmental Science and Pollution Research*, **2021**, 28, 35911-35923	5.1	2
210	Photocatalytic performance of ferric vanadate (FeVO4) nanoparticles synthesized by hydrothermal method. *Materials Science in Semiconductor Processing*, **2021**, 129, 105785	4.3	7
209	Robust quantitative SERS analysis with Relative Raman scattering intensities. *Talanta*, **2021**, 221, 121465	6.2	9
208	Preparation of a superhydrophobic TiN/PTFE composite film toward self-cleaning and corrosion protection applications. *Journal of Materials Science*, **2021**, 56, 1413-1425	4.3	10
207	TiO2 nanorod arrays decorated with Au nanoparticles as sensitive and recyclable SERS substrates. *Journal of Alloys and Compounds*, **2021**, 861, 157999	5.7	13
206	The effect of nanorod position on the plasmonic properties of the complex nanorod in nanohole arrays. *Journal Physics D: Applied Physics*, **2021**, 54, 155201	3	2
205	Construction of 1T-MoS quantum dots-interspersed (Bi Fe)VO heterostructures for electron transport and photocatalytic properties.. *RSC Advances*, **2021**, 11, 13105-13118	3.7	5
204	Nanometer-Thick Al2O3 Layers on Ag/Al Nanostructures as Conductive Electrodes. *ACS Applied Nano Materials*, **2021**, 4, 1270-1281	5.6	1
203	Performance of Transparent Metallic Thin Films. *Journal of Physical Chemistry C*, **2021**, 125, 16334-16342	3.8	1
202	Highly Conductive Nanograting/Nanohole Structures with Tunable and Dual-Band Spectral Transparency. *ACS Applied Electronic Materials*, **2021**, 3, 3489-3500	4	1
201	Efficient Hydrogen Evolution Reaction on Ni3S2 Nanorods with a P/N Bipolar Electrode Prepared by Dealloying Sulfurization of NiW Amorphous Alloys. *ACS Applied Energy Materials*, **2020**, 3, 5745-5755	6.1	2
200	Formation and Properties of Amorphous Multi-Component (CrFeMoNbZr)Ox Thin Films. *Metals*, **2020**, 10, 599	2.3	2
199	Morphological effects on the photocatalytic performance of FeVO4 nanocomposite. *Nano Structures Nano Objects*, **2020**, 22, 100431	5.6	15
198	Coupling between plasmonic nanohole array and nanorod array: the emerging of a new extraordinary optical transmission mode and epsilon-near-zero property. *Journal Physics D: Applied Physics*, **2020**, 53, 275202	3	8
197	A high-strength CoFeTaB metallic-glass phase enabled tensile plasticity in CoFeTaBO oxide glass matrix nanocomposites. *Applied Physics Letters*, **2020**, 116, 081903	3.4	4
196	Quantum sieving of H2/D2 in MOFs: a study on the correlation between the separation performance, pore size and temperature. *Journal of Materials Chemistry A*, **2020**, 8, 6319-6327	13	8

195	Preparation and characterization of Vanadium pentoxide (V2O5) for photocatalytic degradation of monoazo and diazo dyes. *Surfaces and Interfaces*, **2020**, 19, 100502	4.1	26
194	Facile synthesis of Zn3(VO4)2/FeVO4 heterojunction and study on its photocatalytic and electrochemical properties. *Applied Nanoscience (Switzerland)*, **2020**, 10, 421-433	3.3	9
193	The IR plasmonic properties of sub-wavelength ITO rod arrays predicted by anisotropic effective medium theory. *Nanotechnology*, **2020**, 31, 075203	3.4	
192	Synthesis of novel visible light assisted Pt doped zinc vanadate (Pt/Zn4V2O9) for enhanced photocatalytic properties. *Chemical Physics*, **2020**, 539, 110980	2.3	2
191	Detection of corrosion inhibitor adsorption via a surface-enhanced Raman spectroscopy (SERS) silver nanorods tape sensor. *Sensors and Actuators B: Chemical*, **2020**, 321, 128617	8.5	15
190	Large-Area Fabrication of Complex Nanohole Arrays with Highly Tunable Plasmonic Properties. *ACS Applied Materials & Interfaces*, **2020**, 12, 37435-37443	9.5	7
189	Design of Armrest Ag Nanorod Arrays with High SERS Performance for Sensitive Biomolecule Detection. *Journal of Physical Chemistry C*, **2020**, 124, 21054-21062	3.8	7
188	Facile synthesis of Se/BiVO4 heterojunction composite and evaluation of synergetic reaction mechanism for efficient photocatalytic staining of organic dye pollutants in wastewater under visible light. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 19599-19612	2.1	3
187	Non-invasive disease diagnosis using surface-enhanced Raman spectroscopy of urine and saliva. *Applied Spectroscopy Reviews*, **2020**, 55, 197-219	4.5	16
186	Ultrasensitive Field-Effect Biosensors Enabled by the Unique Electronic Properties of Graphene. *Small*, **2020**, 16, e1902820	11	27
185	Study of the interfacial charge transfer in bismuth vanadate/reduce graphene oxide (BiVO4/rGO) composite and evaluation of its photocatalytic activity. *Research on Chemical Intermediates*, **2020**, 46, 1201-1215	2.8	17
184	Amorphous magnetic semiconductors with Curie temperatures above room temperature. *Journal of Semiconductors*, **2019**, 40, 081510	2.3	5
183	Direct observation of fast surface dynamics in sub-10-nm nanoglass particles. *Applied Physics Letters*, **2019**, 114, 043103	3.4	5
182	Plasmon-mediated photothermal and superhydrophobic TiN-PTFE film for anti-icing/deicing applications. *Composites Science and Technology*, **2019**, 181, 107696	8.6	57
181	Simultaneous Thermal Stability and Ultrahigh Sensitivity of Heterojunction SERS Substrates. *Nanomaterials*, **2019**, 9,	5.4	8
180	The evolution of He+ irradiation-induced point defects and helium retention in nuclear graphite. *Journal of Nuclear Science and Technology*, **2019**, 56, 744-751	1	1
179	Fast Surface Charge Transfer with Reduced Band Gap Energy of FeVO4/Graphene Nanocomposite and Study of Its Electrochemical Property and Enhanced Photocatalytic Activity. *Arabian Journal for Science and Engineering*, **2019**, 44, 6659-6667	2.5	10
178	Ag Nanorods-Based Surface-Enhanced Raman Scattering: Synthesis, Quantitative Analysis Strategies, and Applications. *Frontiers in Chemistry*, **2019**, 7, 376	5	4

177	Microstructure evolution and Young's modulus of He-implanted nanocrystalline tungsten film. *Journal of Nuclear Materials*, **2019**, 518, 226-233	3.3	6
176	Hydrothermal fabrication of monoclinic bismuth vanadate (m-BiVO4) nanoparticles for photocatalytic degradation of toxic organic dyes. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2019**, 242, 83-89	3.1	30
175	Effects of Ti transition layers and thermal annealing on the adhesive property of Ag nanorods-based SERS sensors. *Applied Surface Science*, **2019**, 476, 363-368	6.7	8
174	Flexible and adhesive tape decorated with silver nanorods for in-situ analysis of pesticides residues and colorants. *Mikrochimica Acta*, **2019**, 186, 603	5.8	13
173	Fishnet-like NiFeN co-modified graphene aerogel catalyst for highly efficient oxygen reduction reaction in an alkaline medium. *Journal of Applied Electrochemistry*, **2019**, 49, 1211-1226	2.6	2
172	Surface-enhanced ZnS:Ag quantum dots scintillator. *AIP Advances*, **2019**, 9, 105211	1.5	
171	Large lattice mismatch induced perpendicular magnetic anisotropy and perpendicular exchange bias in CoPt/FeMn bilayer films. *Science China Technological Sciences*, **2019**, 62, 2009-2013	3.5	3
170	Slanted Ag-Al alloy nanorods arrays for highly active and stable surface-enhanced Raman scattering substrates. *Nanotechnology*, **2019**, 30, 235703	3.4	3
169	TiN Nanorods as Effective Substrate for Surface-Enhanced Raman Scattering. *Journal of Physical Chemistry C*, **2019**, 123, 29353-29359	3.8	10
168	Strong long-range perpendicular exchange bias across a spacer layer. *AIP Advances*, **2019**, 9, 125046	1.5	1
167	Label-free surface-enhanced Raman spectroscopy of serum based on multivariate statistical analysis for the diagnosis and staging of lung adenocarcinoma. *Vibrational Spectroscopy*, **2019**, 100, 177-184	2.1	9
166	Standing wave type localized surface plasmon resonance of multifold Ag nanorods. *Nanotechnology* , **2019**, 30, 055703	3.4	2
165	AMORPHIZATION OF CERIUM MONONITRIDE DURING OXIDIZATION CHARACTERIZED BY OPTICAL MICROSCOPY, SCANNING ELECTRON MICROSCOPY, X-RAY DIFFRACTION AND X-RAY PHOTOELECTRON SPECTROSCOPY. *Surface Review and Letters*, **2019**, 26, 1850180	1.1	
164	Facile synthesis of Zinc vanadate Zn3(VO4)2 for highly efficient visible light assisted photocatalytic activity. *Journal of Alloys and Compounds*, **2019**, 775, 281-289	5.7	33
163	Surface-Enhanced Raman Scattering Detection of Pesticide Residues Using Transparent Adhesive Tapes and Coated Silver Nanorods. *ACS Applied Materials & Interfaces*, **2018**, 10, 9129-9135	9.5	87
162	HfO2-wrapped slanted Ag nanorods array as a reusable and sensitive SERS substrate for trace analysis of uranyl compounds. *Sensors and Actuators B: Chemical*, **2018**, 265, 539-546	8.5	12
161	Bilayer SiO2 Nanorod Arrays as Omnidirectional and Thermally Stable Antireflective Coating. *Advanced Engineering Materials*, **2018**, 20, 1700942	3.5	9
160	Direct observation of heavy quasiparticles in the Kondo-lattice compound CeIn3. *Physical Review B*, **2018**, 97,	3.3	5

159	Emergence of Kondo lattice behavior in a van der Waals itinerant ferromagnet, FeGeTe. *Science Advances*, **2018**, 4, eaao6791	14.3	78
158	Efficient photocatalysis with graphene oxide/Ag/AgS-TiO nanocomposites under visible light irradiation.. *RSC Advances*, **2018**, 8, 5784-5791	3.7	25
157	Detailed correlations between SERS enhancement and plasmon resonances in subwavelength closely spaced Au nanorod arrays. *Nanoscale*, **2018**, 10, 4267-4275	7.7	27
156	Mechanical properties and structure evolution of single-crystalline silicon irradiated by 1 MeV Au+ and Cu+ ions. *Nuclear Instruments & Methods in Physics Research B*, **2018**, 423, 75-81	1.2	0
155	Mechanically robust antireflective coatings. *Nano Research*, **2018**, 11, 1699-1713	10	15
154	Unexpected large nanoparticle size of single dimer hotspot systems for broadband SERS enhancement. *Optics Letters*, **2018**, 43, 2332-2335	3	23
153	Omnidirectional SiO2 AR Coatings. *Coatings*, **2018**, 8, 210	2.9	3
152	The Effect of Annealing Treatment and Atom Layer Deposition to Au/Pt Nanoparticles-Decorated TiO Nanorods as Photocatalysts. *Molecules*, **2018**, 23,	4.8	12
151	Zigzag Localized Surface Plasmon Resonance Wavelength Shift of Asymmetric V-Shape Ag Nanorods. *Journal of Physical Chemistry C*, **2018**, 122, 17400-17405	3.8	2
150	Quantification of trace chemicals in unknown complex systems by SERS. *Talanta*, **2018**, 186, 452-458	6.2	9
149	Anisotropic ferromagnetism in Fe x Sn1 O2 nanostructure arrays. *Journal of Materials Science*, **2018**, 53, 3280-3288	4.3	2
148	Hydrogen permeation properties of CrxCy@Cr2O3/Al2O3 composite coating derived from selective oxidation of a Cr C alloy and atomic layer deposition. *International Journal of Hydrogen Energy*, **2018**, 43, 21133-21141	6.7	12
147	Fabrication and simulation of V-shaped Ag nanorods as high-performance SERS substrates. *Physical Chemistry Chemical Physics*, **2018**, 20, 25623-25628	3.6	9
146	Highly stable and active SERS substrates with Ag-Ti alloy nanorods. *Nanoscale*, **2018**, 10, 19863-19870	7.7	9
145	Visible Light Driven Photoanodes for Water Oxidation Based on Novel r-GO/ CuV O /TiO Nanorods Composites. *Nanomaterials*, **2018**, 8,	5.4	15
144	Phase control and Young modulus of tungsten thin film prepared by dual ion beam sputtering deposition. *AIP Advances*, **2018**, 8, 035321	1.5	13
143	Visible light assisted photocatalytic degradation of crystal violet dye and electrochemical detection of ascorbic acid using a BiVO/FeVO heterojunction composite.. *RSC Advances*, **2018**, 8, 23489-23498	3.7	56
142	HfO2 Nanorod Array as High-Performance and High-Temperature Antireflective Coating. *Advanced Materials Interfaces*, **2017**, 4, 1600892	4.6	9

141	Enhanced photocatalytic properties of CdS nanoparticles decorated □Fe(2)O(3) nanopillar arrays under visible light. *Journal of Colloid and Interface Science*, **2017**, 494, 107-113	9.3	21
140	Nanoparticle-on-mirror cavity modes for huge and/or tunable plasmonic field enhancement. *Nanotechnology*, **2017**, 28, 105203	3.4	26
139	SERS detection and characterization of uranyl ion sorption on silver nanorods wrapped with Al2O3 layers. *Mikrochimica Acta*, **2017**, 184, 2775-2782	5.8	17
138	Novel [111] oriented □Mo2N thin films deposited by magnetron sputtering as an anode for aqueous micro-supercapacitors. *Electrochimica Acta*, **2017**, 245, 237-248	6.7	32
137	Analytical plasmon dispersion in subwavelength closely spaced Au nanorod arrays from planar metal□nsulator□etal waveguides. *Journal of Materials Chemistry C*, **2017**, 5, 6079-6085	7.1	14
136	Morphological influence of TiO2 nanostructures (nanozigzag, nanohelics and nanorod) on photocatalytic degradation of organic dyes. *Applied Surface Science*, **2017**, 400, 184-193	6.7	71
135	AlO Encapsulated Teflon Nanostructures with High Thermal Stability and Efficient Antireflective Performance. *ACS Applied Materials & Interfaces*, **2017**, 9, 36327-36337	9.5	17
134	Semi-quantitative analysis of multiple chemical mixtures in solution at trace level by surface-enhanced Raman Scattering. *Scientific Reports*, **2017**, 7, 6186	4.9	17
133	Design of Ag nanorods for sensitivity and thermal stability of surface-enhanced Raman scattering. *Nanotechnology*, **2017**, 28, 405602	3.4	10
132	Dependence of the Thermal Conductivity of BiFeO3 Thin Films on Polarization and Structure. *Physical Review Applied*, **2017**, 8,	4.3	16
131	Annealing effect on the photoelectrochemical and photocatalytic performance of TiO2 nanorod arrays. *RSC Advances*, **2017**, 7, 51382-51390	3.7	8
130	Ag Nanorods-Oxide Hybrid Array Substrates: Synthesis, Characterization, and Applications in Surface-Enhanced Raman Scattering. *Sensors*, **2017**, 17,	3.8	7
129	Enhanced Visible Light Photocatalytic Performance by Nanostructured Semiconductors with Glancing Angle Deposition Method **2016**,		1
128	Tunable Lattice Coupling of Multipole Plasmon Modes and Near-Field Enhancement in Closely Spaced Gold Nanorod Arrays. *Scientific Reports*, **2016**, 6, 23159	4.9	30
127	Glancing angle deposition of Fe triangular nanoprisms consisting of vertically-layered nanoplates. *Journal of Crystal Growth*, **2016**, 451, 113-119	1.6	2
126	Surface Plasmon Enhanced Photocatalysis of Au/Pt-decorated TiO2 Nanopillar Arrays. *Scientific Reports*, **2016**, 6, 26670	4.9	104
125	Role of Ag2S coupling on enhancing the visible-light-induced catalytic property of TiO2 nanorod arrays. *Scientific Reports*, **2016**, 6, 19754	4.9	20
124	Universal Near-Field Interference Patterns of Fano Resonances in Two-Dimensional Plasmonic Crystals. *Plasmonics*, **2016**, 11, 1377-1383	2.4	25

123	□Fe2O3 nanopillar arrays fabricated by electron beam evaporation for the photoassisted degradation of dyes with H2O2. *RSC Advances*, **2016**, 6, 534-540	3.7	7
122	Gradual plasmon evolution and huge infrared near-field enhancement of metallic bridged nanoparticle dimers. *Physical Chemistry Chemical Physics*, **2016**, 18, 2319-23	3.6	18
121	Pinhole-Containing, Subnanometer-Thick Al2O3 Shell-Coated Ag Nanorods as Practical Substrates for Quantitative Surface-Enhanced Raman Scattering. *Journal of Physical Chemistry C*, **2016**, 120, 606-615	3.8	36
120	Electrochemical Materials Design for Micro-Supercapacitors **2016**,		1
119	Pyridinic-Nitrogen-Dominated Graphene Aerogels with Fe□N□C Coordination for Highly Efficient Oxygen Reduction Reaction. *Advanced Functional Materials*, **2016**, 26, 5708-5717	15.6	301
118	Hybridized plasmon modes and near-field enhancement of metallic nanoparticle-dimer on a mirror. *Scientific Reports*, **2016**, 6, 30011	4.9	66
117	Three-dimensional bulk electronic structure of the Kondo lattice CeIn3 revealed by photoemission. *Scientific Reports*, **2016**, 6, 33613	4.9	5
116	Pinhole Effect on the Melting Behavior of Ag@Al2O3 SERS Substrates. *Nanoscale Research Letters*, **2016**, 11, 170	5	10
115	High-Performance Real-Time SERS Detection with Recyclable Ag Nanorods@HfO Substrates. *ACS Applied Materials & Interfaces*, **2016**, 8, 27162-27168	9.5	54
114	Synthesis of nitrogen-doped reduced graphene oxide as metal-free electrocatalyst for oxygen reduction reactions. *International Journal of Nanomanufacturing*, **2016**, 12, 252	0.7	
113	Preparation of TiO2 nanorod arrays decorated with CdS nanoparticles exhibiting enhanced photoelectrochemical and photocatalytic properties in visible light. *International Journal of Nanomanufacturing*, **2016**, 12, 237	0.7	
112	Quantitative Analysis of Single and Mix Food Antiseptics Basing on SERS Spectra with PLSR Method. *Nanoscale Research Letters*, **2016**, 11, 296	5	15
111	Atomic oxygen treatment effects on magnetron sputtered Zr□Ti binary films. *Applied Surface Science*, **2015**, 324, 669-676	6.7	6
110	High-magnetic field annealing effect on room-temperature ferromagnetism enhancement of un-doped HfO2 thin films. *Applied Physics A: Materials Science and Processing*, **2015**, 119, 917-921	2.6	0
109	Reduced graphene oxide/carbon nanotube hybrid film as high performance negative electrode for supercapacitor. *Electrochimica Acta*, **2015**, 169, 342-350	6.7	122
108	200 keV Xe+ ions irradiation effects on Zr□Ti binary films. *Nuclear Instruments & Methods in Physics Research B*, **2015**, 350, 26-31	1.2	2
107	Defects-Driven Ferromagnetism in Undoped Dilute Magnetic Oxides: A Review. *Journal of Materials Science and Technology*, **2015**, 31, 969-978	9.1	31
106	Nanogap effects on near- and far-field plasmonic behaviors of metallic nanoparticle dimers. *Physical Chemistry Chemical Physics*, **2015**, 17, 29293-8	3.6	49

105	Phase-dependent and defect-driven d0 ferromagnetism in undoped ZrO2 thin films. *RSC Advances*, **2015**, 5, 3636-3641	3.7	20
104	Effect of Xe ion irradiation on photocatalytic performance of oblique TiO2 nanowire arrays. *Applied Surface Science*, **2015**, 327, 478-482	6.7	9
103	Well-aligned NiSi/Si heterostructured nanowire arrays as field emitters. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2015**, 33, 02B101	1.3	14
102	Enhanced photoelectrochemical and photocatalytic performance of TiO2 nanorod arrays/CdS quantum dots by coating TiO2 through atomic layer deposition. *Nano Energy*, **2015**, 11, 400-408	17.1	88
101	Compositional Analysis of Ternary and Binary Chemical Mixtures by Surface-Enhanced Raman Scattering at Trace Levels. *Nanoscale Research Letters*, **2015**, 10, 437	5	13
100	Ag Nanorods Coated with Ultrathin TiO2 Shells as Stable and Recyclable SERS Substrates. *Scientific Reports*, **2015**, 5, 15442	4.9	64
99	Silver Nanorods Wrapped with Ultrathin Al2O3 Layers Exhibiting Excellent SERS Sensitivity and Outstanding SERS Stability. *Scientific Reports*, **2015**, 5, 12890	4.9	81
98	Near-field mapping of three-dimensional surface charge poles for hybridized plasmon modes. *AIP Advances*, **2015**, 5, 107221	1.5	16
97	Sensitivity and Reusability of SiO2 NRs@ Au NPs SERS Substrate in Trace Monochlorobiphenyl Detection. *Nanoscale Research Letters*, **2015**, 10, 444	5	13
96	X-ray irradiation-induced reversible wettability modification of titanium NRAs. *RSC Advances*, **2015**, 5, 4524-4528	3.7	2
95	Wettability manipulation of magnetic transition metal nanorod arrays by X-ray irradiation. *Frontiers of Materials Science*, **2015**, 9, 311-315	2.5	1
94	Synthesis of flower-like manganese wad and its decolorization performance for azo dye Congo red. *Chemical Research in Chinese Universities*, **2014**, 30, 306-309	2.2	1
93	Tunable field emission properties of well-aligned silicon nanowires with controlled aspect ratio and proximity. *RSC Advances*, **2014**, 4, 31729-31734	3.7	11
92	Fabrication of TiN nanostructure as a hydrogen peroxide sensor by oblique angle deposition. *Nanoscale Research Letters*, **2014**, 9, 105	5	15
91	Enhanced light absorption of amorphous silicon thin film by substrate control and ion irradiation. *Nanoscale Research Letters*, **2014**, 9, 173	5	9
90	Enhancement of the photocatalytic property of TiO2 columnar nanostructured films by changing deposition angle. *Materials Research Bulletin*, **2014**, 50, 68-72	5.1	13
89	The Ti@MoOx nanorod array as a three dimensional film electrode for micro-supercapacitors. *Electrochemistry Communications*, **2014**, 44, 23-26	5.1	15
88	Fabrication of MoOxFilm as a Conductive Anode Material for Micro-Supercapacitors by Electrodeposition and Annealing. *Journal of the Electrochemical Society*, **2014**, 161, A1051-A1057	3.9	9

87	Molybdenum oxide film with stable pseudocapacitive property for aqueous micro-scale electrochemical capacitor. *Electrochimica Acta*, **2014**, 134, 84-91	6.7	19
86	Tunable SERS-tags-hidden gold nanorattles for theranosis of cancer cells with single laser beam. *Scientific Reports*, **2014**, 4, 6709	4.9	19
85	Facile decolorization of methylene blue with flower-like manganese wads. *Water Science and Technology*, **2014**, 69, 1094-100	2.2	2
84	CO2 corrosion of IG-110 nuclear graphite studied by gas chromatography. *Journal of Nuclear Science and Technology*, **2014**, 51, 487-492	1	12
83	Enhanced photoelectrochemical properties of TiO nanorod arrays decorated with CdS nanoparticles. *Science and Technology of Advanced Materials*, **2014**, 15, 055006	7.1	30
82	Mechanical property improvement by texture control of magnetron co-sputtered Zr-Ti films. *Journal of Applied Physics*, **2014**, 115, 043524	2.5	8
81	The fabrication of large-scale sub-10-nm core-shell silicon nanowire arrays. *Nanoscale Research Letters*, **2013**, 8, 405	5	23
80	Tuning the optical bandgap of TiO2-TiN composite films as photocatalyst in the visible light. *AIP Advances*, **2013**, 3, 062129	1.5	21
79	Indirect to direct band gap transition in ultra-thin silicon films. *Physical Chemistry Chemical Physics*, **2013**, 15, 6063-7	3.6	29
78	Origin of the defects-induced ferromagnetism in un-doped ZnO single crystals. *Applied Physics Letters*, **2013**, 102, 071914	3.4	60
77	The Regulation of Surface-Enhanced Raman Scattering Sensitivity of Silver Nanorods by Silicon Sections. *Journal of Nanomaterials*, **2013**, 2013, 1-5	3.2	3
76	Visible Light Photoelectrochemical Properties of N-Doped TiO2Nanorod Arrays from TiN. *Journal of Nanomaterials*, **2013**, 2013, 1-8	3.2	8
75	MoO thin films deposited by magnetron sputtering as an anode for aqueous micro-supercapacitors. *Science and Technology of Advanced Materials*, **2013**, 14, 065005	7.1	19
74	Room-temperature ferromagnetism in un-doped ZrO2 thin films. *Journal Physics D: Applied Physics*, **2013**, 46, 445004	3	37
73	Microstructure and Properties of Pure Zirconium After Irradiation by Charged Particles. *Thirty Years of Astronomical Discovery With UKIRT*, **2013**, 417-426	0.3	0
72	Latticing vertically aligned Ag nanorods to enhance its SERS sensitivity. *Materials Research Bulletin*, **2012**, 47, 921-924	5.1	16
71	Photocatalytic properties of TiO2 thin films obtained by glancing angle deposition. *Applied Surface Science*, **2012**, 258, 2766-2770	6.7	27
70	Enhanced room-temperature ferromagnetism in un-doped ZnO thin films by thermal annealing in a strong magnetic field. *Journal of Applied Physics*, **2012**, 111, 103524	2.5	14

69	Enhanced surface-enhanced Raman scattering performance by folding silver nanorods. *Applied Physics Letters*, **2012**, 100, 113101	3.4	49
68	Substrate effect on the room-temperature ferromagnetism in un-doped ZnO films. *Applied Physics Letters*, **2012**, 101, 031913	3.4	33
67	Oxygen vacancyInduced ferromagnetism in un-doped ZnO thin films. *Journal of Applied Physics*, **2012**, 111, 033501	2.5	113
66	The Nanofabrication and Application of Substrates for Surface-Enhanced Raman Scattering. *International Journal of Spectroscopy*, **2012**, 2012, 1-7		8
65	Photocatalytic Properties of Columnar NanostructuredTiO2Films Fabricated by Sputtering Ti and Subsequent Annealing. *Advances in Materials Science and Engineering*, **2012**, 2012, 1-5	1.5	5
64	The Influence of Pores on Irradiation Property of Selected Nuclear Graphites. *Advances in Materials Science and Engineering*, **2012**, 2012, 1-6	1.5	4
63	Effects of Porosity and Temperature on Oxidation Behavior in Air of Selected Nuclear Graphites. *Materials Transactions*, **2012**, 53, 1159-1163	1.3	14
62	The Novel Wetting Behavior of Periodic TixSn1−xO2 Nanostructures. *Materials Transactions*, **2012**, 53, 191-194	1.3	1
61	Effects of Alkali Corrosion Preprocessing on the Growth of Aligned Silver Nanorods Array and Its Improvement for Surface-Enhanced Raman Scattering. *Materials Transactions*, **2012**, 53, 1278-1281	1.3	
60	Optical Properties and Surface Enhanced Raman Scattering of L-Shaped Silver Nanorod Arrays. *Journal of Physical Chemistry C*, **2011**, 115, 14131-14140	3.8	25
59	Preparation of Highly Textured ZnO Thin Films by Pulsed Electron Deposition. *Materials Transactions*, **2011**, 52, 1764-1767	1.3	4
58	A Simple Model to Describe the Rule of Glancing Angle Deposition. *Materials Transactions*, **2011**, 52, 469-473	1.3	40
57	Preparation and Photocatalytic Property of TiO2 Columnar Nanostructure Films. *Materials Transactions*, **2011**, 52, 1939-1942	1.3	14
56	Surface-enhanced Raman scattering from a hexagonal lattice of micro-patterns of vertically aligned Ag nanorods. *Physica E: Low-Dimensional Systems and Nanostructures*, **2011**, 44, 460-463	3	19
55	Magnetic and Microwave Absorption Properties of Core/Shell FeCo-Based Nanocomposites Synthesized by a Simple Wet Chemical Method. *IEEE Transactions on Magnetics*, **2011**, 47, 3456-3459	2	3
54	Thermal stability and sputtering resistance under irradiation of yttria dispersed ferrum films. *Rare Metals*, **2011**, 30, 258-261	5.5	
53	Influence of vacuum annealing and irradiation on magnetic properties of Fe-3%Y2O3 films. *Rare Metals*, **2011**, 30, 453-457	5.5	
52	Anisotropic TixSn1-xO2 nanostructures prepared by magnetron sputter deposition. *Nanoscale Research Letters*, **2011**, 6, 326	5	12

51	Open-Ended, N-Doped Carbon Nanotube□Graphene Hybrid Nanostructures as High-Performance Catalyst Support. *Advanced Functional Materials*, **2011**, 21, 999-1006	15.6	331
50	Surface-enhanced Raman scattering from helical silver nanorod arrays. *Chemical Communications*, **2011**, 47, 4466-8	5.8	42
49	Fabrication and characterization of polycrystalline silicon nanowires with silver-assistance by electroless deposition. *Applied Surface Science*, **2011**, 257, 3861-3866	6.7	29
48	Oxygen deficient V2O5 nanorods for gas sensing. *Physica E: Low-Dimensional Systems and Nanostructures*, **2011**, 43, 1726-1729	3	9
47	Growth of [010] oriented □MoO3 nanorods by pulsed electron beam deposition. *Applied Physics Letters*, **2011**, 99, 223104	3.4	18
46	The synthesis and photoluminescence properties of selenium-treated porous silicon nanowire arrays. *Nanotechnology*, **2011**, 22, 075203	3.4	17
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