

Zheng Jun Zhang

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212
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L-index

#	Paper	IF	Citations
212	Open-Ended, N-Doped Carbon Nanotube/Graphene Hybrid Nanostructures as High-Performance Catalyst Support. <i>Advanced Functional Materials</i> , 2011 , 21, 999-1006	15.6	331
211	Pyridinic-Nitrogen-Dominated Graphene Aerogels with Fe ^{III} Coordination for Highly Efficient Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2016 , 26, 5708-5717	15.6	301
210	Nanostructured VO ₂ photocatalysts for hydrogen production. <i>ACS Nano</i> , 2008 , 2, 1492-6	16.7	138
209	Reduced graphene oxide/carbon nanotube hybrid film as high performance negative electrode for supercapacitor. <i>Electrochimica Acta</i> , 2015 , 169, 342-350	6.7	122
208	Oxygen vacancy-induced ferromagnetism in un-doped ZnO thin films. <i>Journal of Applied Physics</i> , 2012 , 111, 033501	2.5	113
207	Tuning the field-emission properties of tungsten oxide nanorods. <i>Small</i> , 2005 , 1, 310-3	11	112
206	Surface Plasmon Enhanced Photocatalysis of Au/Pt-decorated TiO ₂ Nanopillar Arrays. <i>Scientific Reports</i> , 2016 , 6, 26670	4.9	104
205	Enhanced photoelectrochemical and photocatalytic performance of TiO ₂ nanorod arrays/CdS quantum dots by coating TiO ₂ through atomic layer deposition. <i>Nano Energy</i> , 2015 , 11, 400-408	17.1	88
204	Rapid, low-temperature synthesis of single-crystalline Co ₃ O ₄ nanorods on silicon substrates on a large scale. <i>Nanotechnology</i> , 2008 , 19, 155606	3.4	88
203	Surface-Enhanced Raman Scattering Detection of Pesticide Residues Using Transparent Adhesive Tapes and Coated Silver Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 9129-9135	9.5	87
202	Silver Nanorods Wrapped with Ultrathin Al ₂ O ₃ Layers Exhibiting Excellent SERS Sensitivity and Outstanding SERS Stability. <i>Scientific Reports</i> , 2015 , 5, 12890	4.9	81
201	NiO films consisting of vertically aligned cone-shaped NiO rods. <i>Applied Physics Letters</i> , 2006 , 88, 033103	3.4	80
200	Emergence of Kondo lattice behavior in a van der Waals itinerant ferromagnet, FeGeTe. <i>Science Advances</i> , 2018 , 4, eaao6791	14.3	78
199	Melting and optical properties of ZnO nanorods. <i>Applied Physics Letters</i> , 2006 , 88, 061913	3.4	76
198	Arrays of aligned, single crystalline silver nanorods for trace amount detection. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 152007	3	74
197	Morphological influence of TiO ₂ nanostructures (nanozigzag, nanohelics and nanorod) on photocatalytic degradation of organic dyes. <i>Applied Surface Science</i> , 2017 , 400, 184-193	6.7	71
196	Optical and dielectric properties of a nanostructured NbO ₂ thin film prepared by thermal oxidation. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 3392-3395	3	71

195	Intense photoluminescence from amorphous tantalum oxide films. <i>Applied Physics Letters</i> , 2006 , 89, 021915	3.15	66
194	Hybridized plasmon modes and near-field enhancement of metallic nanoparticle-dimer on a mirror. <i>Scientific Reports</i> , 2016 , 6, 30011	4.9	66
193	Ag Nanorods Coated with Ultrathin TiO ₂ Shells as Stable and Recyclable SERS Substrates. <i>Scientific Reports</i> , 2015 , 5, 15442	4.9	64
192	Origin of the defects-induced ferromagnetism in un-doped ZnO single crystals. <i>Applied Physics Letters</i> , 2013 , 102, 071914	3.4	60
191	Low-temperature synthesis of large-scale arrays of aligned tungsten oxide nanorods. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, L453-L461	1.8	60
190	Plasmon-mediated photothermal and superhydrophobic TiN-PTFE film for anti-icing/deicing applications. <i>Composites Science and Technology</i> , 2019 , 181, 107696	8.6	57
189	Enhanced field emission properties of MoO ₂ nanorods with controllable shape and orientation. <i>Materials Letters</i> , 2004 , 58, 3812-3815	3.3	57
188	Visible light assisted photocatalytic degradation of crystal violet dye and electrochemical detection of ascorbic acid using a BiVO ₄ /FeVO ₄ heterojunction composite.. <i>RSC Advances</i> , 2018 , 8, 23489-23498	3.7	56
187	Preparation of MoO ₃ nanostructures and their optical properties. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, L547-L552	1.8	54
186	High-Performance Real-Time SERS Detection with Recyclable Ag Nanorods@HfO ₂ Substrates. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27162-27168	9.5	54
185	Oxygen defect induced photoluminescence of HfO ₂ thin films. <i>Applied Physics Letters</i> , 2008 , 93, 011905	3.4	53
184	Rapid recognition of isomers of monochlorobiphenyls at trace levels by surface-enhanced Raman scattering using Ag nanorods as a substrate. <i>Nano Research</i> , 2010 , 3, 423-428	10	52
183	Nanogap effects on near- and far-field plasmonic behaviors of metallic nanoparticle dimers. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 29293-8	3.6	49
182	Enhanced surface-enhanced Raman scattering performance by folding silver nanorods. <i>Applied Physics Letters</i> , 2012 , 100, 113101	3.4	49
181	Novel Ag@Cu substrates for surface-enhanced Raman scattering. <i>Materials Letters</i> , 2009 , 63, 2306-2308	3.3	47
180	Synthesis and optical properties of V ₂ O ₅ nanorods. <i>Journal of Chemical Physics</i> , 2007 , 126, 164701	3.9	47
179	The effect of underlayer thin films on the surface-enhanced Raman scattering response of Ag nanorod substrates. <i>Applied Physics Letters</i> , 2010 , 97, 121902	3.4	43
178	Enhanced photocatalytic activity of porous Fe ₂ O ₃ films prepared by rapid thermal oxidation. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 202002	3	43

177	Surface-enhanced Raman scattering from helical silver nanorod arrays. <i>Chemical Communications</i> , 2011 , 47, 4466-8	5.8	42
176	A Simple Model to Describe the Rule of Glancing Angle Deposition. <i>Materials Transactions</i> , 2011 , 52, 469-473	4.3	40
175	Self-assembled patterns of iron oxide nanoparticles by hydrothermal chemical-vapor deposition. <i>Applied Physics Letters</i> , 2001 , 79, 4207-4209	3.4	40
174	Synthesis and photoluminescence of aligned ZnO nanorods by thermal decomposition of zinc acetate at a substrate temperature of ~250 °C. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 3934-3937	3	39
173	Room-temperature ferromagnetism in un-doped ZrO ₂ thin films. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 445004	3	37
172	Effect of magnetic field on the visible light emission of V ₂ O ₅ nanorods. <i>Applied Physics Letters</i> , 2009 , 94, 103107	3.4	37
171	Pinhole-Containing, Subnanometer-Thick Al ₂ O ₃ Shell-Coated Ag Nanorods as Practical Substrates for Quantitative Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 606-613	3.8	36
170	Fabrication of silver-coated silicon nanowire arrays for surface-enhanced Raman scattering by galvanic displacement processes. <i>Applied Surface Science</i> , 2009 , 256, 916-920	6.7	35
169	Substrate effect on the room-temperature ferromagnetism in un-doped ZnO films. <i>Applied Physics Letters</i> , 2012 , 101, 031913	3.4	33
168	Facile synthesis of Zinc vanadate Zn ₃ (VO ₄) ₂ for highly efficient visible light assisted photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2019 , 775, 281-289	5.7	33
167	Novel [111] oriented Mo ₂ N thin films deposited by magnetron sputtering as an anode for aqueous micro-supercapacitors. <i>Electrochimica Acta</i> , 2017 , 245, 237-248	6.7	32
166	Defects-Driven Ferromagnetism in Undoped Dilute Magnetic Oxides: A Review. <i>Journal of Materials Science and Technology</i> , 2015 , 31, 969-978	9.1	31
165	Hydrothermal fabrication of monoclinic bismuth vanadate (m-BiVO ₄) nanoparticles for photocatalytic degradation of toxic organic dyes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019 , 242, 83-89	3.1	30
164	Tunable Lattice Coupling of Multipole Plasmon Modes and Near-Field Enhancement in Closely Spaced Gold Nanorod Arrays. <i>Scientific Reports</i> , 2016 , 6, 23159	4.9	30
163	Enhanced photoelectrochemical properties of TiO nanorod arrays decorated with CdS nanoparticles. <i>Science and Technology of Advanced Materials</i> , 2014 , 15, 055006	7.1	30
162	Rapid detection of 2, 3, 3', 4, 4'-pentachlorinated biphenyls by silver nanorods-enhanced Raman spectroscopy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 42, 1717-1720	3	30
161	Indirect to direct band gap transition in ultra-thin silicon films. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 6063-7	3.6	29
160	Fabrication and characterization of polycrystalline silicon nanowires with silver-assistance by electroless deposition. <i>Applied Surface Science</i> , 2011 , 257, 3861-3866	6.7	29

159	Detailed correlations between SERS enhancement and plasmon resonances in subwavelength closely spaced Au nanorod arrays. <i>Nanoscale</i> , 2018 , 10, 4267-4275	7.7	27
158	Photocatalytic properties of TiO ₂ thin films obtained by glancing angle deposition. <i>Applied Surface Science</i> , 2012 , 258, 2766-2770	6.7	27
157	Ultrasensitive Field-Effect Biosensors Enabled by the Unique Electronic Properties of Graphene. <i>Small</i> , 2020 , 16, e1902820	11	27
156	Nanoparticle-on-mirror cavity modes for huge and/or tunable plasmonic field enhancement. <i>Nanotechnology</i> , 2017 , 28, 105203	3.4	26
155	Preparation and characterization of Vanadium pentoxide (V ₂ O ₅) for photocatalytic degradation of monoazo and diazo dyes. <i>Surfaces and Interfaces</i> , 2020 , 19, 100502	4.1	26
154	Efficient photocatalysis with graphene oxide/Ag/AgS-TiO nanocomposites under visible light irradiation.. <i>RSC Advances</i> , 2018 , 8, 5784-5791	3.7	25
153	Universal Near-Field Interference Patterns of Fano Resonances in Two-Dimensional Plasmonic Crystals. <i>Plasmonics</i> , 2016 , 11, 1377-1383	2.4	25
152	Optical Properties and Surface Enhanced Raman Scattering of L-Shaped Silver Nanorod Arrays. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14131-14140	3.8	25
151	From zinc nanowires to zinc oxide nanowires: a low substrate-temperature approach. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 1068-1071	3	25
150	Growth control of tungsten oxide nanostructures on planar silicon substrates. <i>Applied Physics Letters</i> , 2006 , 89, 193111	3.4	24
149	Unexpected large nanoparticle size of single dimer hotspot systems for broadband SERS enhancement. <i>Optics Letters</i> , 2018 , 43, 2332-2335	3	23
148	The fabrication of large-scale sub-10-nm core-shell silicon nanowire arrays. <i>Nanoscale Research Letters</i> , 2013 , 8, 405	5	23
147	Nanostructuring HfO ₂ Thin Films as Antireflection Coatings. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 3077-3080	3.8	22
146	Enhanced photocatalytic properties of CdS nanoparticles decorated Fe ₂ O ₃ nanopillar arrays under visible light. <i>Journal of Colloid and Interface Science</i> , 2017 , 494, 107-113	9.3	21
145	Tuning the optical bandgap of TiO ₂ -TiN composite films as photocatalyst in the visible light. <i>AIP Advances</i> , 2013 , 3, 062129	1.5	21
144	Phase-dependent and defect-driven d ₀ ferromagnetism in undoped ZrO ₂ thin films. <i>RSC Advances</i> , 2015 , 5, 3636-3641	3.7	20
143	Role of Ag ₂ S coupling on enhancing the visible-light-induced catalytic property of TiO ₂ nanorod arrays. <i>Scientific Reports</i> , 2016 , 6, 19754	4.9	20
142	Synthesis and field emission property of VO ₂ nanorods with a body-centered-cubic structure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009 , 41, 548-551	3	20

141	Contrastive analysis of the Raman spectra of polychlorinated benzene: hexachlorobenzene and benzene. <i>Sensors</i> , 2011 , 11, 11510-5	3.8	20
140	Molybdenum oxide film with stable pseudocapacitive property for aqueous micro-scale electrochemical capacitor. <i>Electrochimica Acta</i> , 2014 , 134, 84-91	6.7	19
139	Tunable SERS-tags-hidden gold nanorattles for theragnosis of cancer cells with single laser beam. <i>Scientific Reports</i> , 2014 , 4, 6709	4.9	19
138	MoO thin films deposited by magnetron sputtering as an anode for aqueous micro-supercapacitors. <i>Science and Technology of Advanced Materials</i> , 2013 , 14, 065005	7.1	19
137	Surface-enhanced Raman scattering from a hexagonal lattice of micro-patterns of vertically aligned Ag nanorods. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011 , 44, 460-463	3	19
136	Gradual plasmon evolution and huge infrared near-field enhancement of metallic bridged nanoparticle dimers. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 2319-23	3.6	18
135	Growth of [010] oriented β -MoO ₃ nanorods by pulsed electron beam deposition. <i>Applied Physics Letters</i> , 2011 , 99, 223104	3.4	18
134	SERS detection and characterization of uranyl ion sorption on silver nanorods wrapped with Al ₂ O ₃ layers. <i>Mikrochimica Acta</i> , 2017 , 184, 2775-2782	5.8	17
133	AlO Encapsulated Teflon Nanostructures with High Thermal Stability and Efficient Antireflective Performance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36327-36337	9.5	17
132	Semi-quantitative analysis of multiple chemical mixtures in solution at trace level by surface-enhanced Raman Scattering. <i>Scientific Reports</i> , 2017 , 7, 6186	4.9	17
131	The synthesis and photoluminescence properties of selenium-treated porous silicon nanowire arrays. <i>Nanotechnology</i> , 2011 , 22, 075203	3.4	17
130	Study of the interfacial charge transfer in bismuth vanadate/reduce graphene oxide (BiVO ₄ /rGO) composite and evaluation of its photocatalytic activity. <i>Research on Chemical Intermediates</i> , 2020 , 46, 1201-1215	2.8	17
129	Latticing vertically aligned Ag nanorods to enhance its SERS sensitivity. <i>Materials Research Bulletin</i> , 2012 , 47, 921-924	5.1	16
128	Dependence of the Thermal Conductivity of BiFeO ₃ Thin Films on Polarization and Structure. <i>Physical Review Applied</i> , 2017 , 8,	4.3	16
127	Near-field mapping of three-dimensional surface charge poles for hybridized plasmon modes. <i>AIP Advances</i> , 2015 , 5, 107221	1.5	16
126	Synthesis and self-organization of β -Fe ₂ O ₃ nanoparticles by hydrothermal chemical vapor deposition. <i>Materials Letters</i> , 2005 , 59, 3375-3377	3.3	16
125	Characterization of Fe nanorods grown directly from submicron-sized iron grains by thermal evaporation. <i>Physical Review B</i> , 2004 , 70,	3.3	16
124	Non-invasive disease diagnosis using surface-enhanced Raman spectroscopy of urine and saliva. <i>Applied Spectroscopy Reviews</i> , 2020 , 55, 197-219	4.5	16

123	Morphological effects on the photocatalytic performance of FeVO ₄ nanocomposite. <i>Nano Structures Nano Objects</i> , 2020 , 22, 100431	5.6	15
122	Mechanically robust antireflective coatings. <i>Nano Research</i> , 2018 , 11, 1699-1713	10	15
121	Fabrication of TiN nanostructure as a hydrogen peroxide sensor by oblique angle deposition. <i>Nanoscale Research Letters</i> , 2014 , 9, 105	5	15
120	The Ti@MoO _x nanorod array as a three dimensional film electrode for micro-supercapacitors. <i>Electrochemistry Communications</i> , 2014 , 44, 23-26	5.1	15
119	Detection of corrosion inhibitor adsorption via a surface-enhanced Raman spectroscopy (SERS) silver nanorods tape sensor. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128617	8.5	15
118	Quantitative Analysis of Single and Mix Food Antiseptics Basing on SERS Spectra with PLSR Method. <i>Nanoscale Research Letters</i> , 2016 , 11, 296	5	15
117	Visible Light Driven Photoanodes for Water Oxidation Based on Novel r-GO/ECuVO ₄ /TiO ₂ Nanorods Composites. <i>Nanomaterials</i> , 2018 , 8,	5.4	15
116	Analytical plasmon dispersion in subwavelength closely spaced Au nanorod arrays from planar metal-insulator-metal waveguides. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6079-6085	7.1	14
115	Well-aligned NiSi/Si heterostructured nanowire arrays as field emitters. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015 , 33, 02B101	1.3	14
114	Enhanced room-temperature ferromagnetism in un-doped ZnO thin films by thermal annealing in a strong magnetic field. <i>Journal of Applied Physics</i> , 2012 , 111, 103524	2.5	14
113	Preparation and Photocatalytic Property of TiO ₂ Columnar Nanostructure Films. <i>Materials Transactions</i> , 2011 , 52, 1939-1942	1.3	14
112	Effects of Porosity and Temperature on Oxidation Behavior in Air of Selected Nuclear Graphites. <i>Materials Transactions</i> , 2012 , 53, 1159-1163	1.3	14
111	Flexible and adhesive tape decorated with silver nanorods for in-situ analysis of pesticides residues and colorants. <i>Mikrochimica Acta</i> , 2019 , 186, 603	5.8	13
110	Enhancement of the photocatalytic property of TiO ₂ columnar nanostructured films by changing deposition angle. <i>Materials Research Bulletin</i> , 2014 , 50, 68-72	5.1	13
109	Compositional Analysis of Ternary and Binary Chemical Mixtures by Surface-Enhanced Raman Scattering at Trace Levels. <i>Nanoscale Research Letters</i> , 2015 , 10, 437	5	13
108	Sensitivity and Reusability of SiO ₂ NRs@ Au NPs SERS Substrate in Trace Monochlorobiphenyl Detection. <i>Nanoscale Research Letters</i> , 2015 , 10, 444	5	13
107	Rapid detection of polychlorinated biphenyls at trace levels in real environmental samples by surface-enhanced Raman scattering. <i>Sensors</i> , 2011 , 11, 10851-8	3.8	13
106	TiO ₂ nanorod arrays decorated with Au nanoparticles as sensitive and recyclable SERS substrates. <i>Journal of Alloys and Compounds</i> , 2021 , 861, 157999	5.7	13

105	Phase control and Young's modulus of tungsten thin film prepared by dual ion beam sputtering deposition. <i>AIP Advances</i> , 2018 , 8, 035321	1.5	13
104	HfO ₂ -wrapped slanted Ag nanorods array as a reusable and sensitive SERS substrate for trace analysis of uranyl compounds. <i>Sensors and Actuators B: Chemical</i> , 2018 , 265, 539-546	8.5	12
103	The Effect of Annealing Treatment and Atom Layer Deposition to Au/Pt Nanoparticles-Decorated TiO ₂ Nanorods as Photocatalysts. <i>Molecules</i> , 2018 , 23,	4.8	12
102	CO ₂ corrosion of IG-110 nuclear graphite studied by gas chromatography. <i>Journal of Nuclear Science and Technology</i> , 2014 , 51, 487-492	1	12
101	Anisotropic Ti _x Sn _{1-x} O ₂ nanostructures prepared by magnetron sputter deposition. <i>Nanoscale Research Letters</i> , 2011 , 6, 326	5	12
100	Facile Synthesis of α -Fe ₂ O ₃ Nanostructured Films with Controlled Morphology. <i>Materials Transactions</i> , 2009 , 50, 1351-1354	1.3	12
99	Photoluminescence of amorphous niobium oxide films synthesized by solid-state reaction. <i>Thin Solid Films</i> , 2008 , 516, 4213-4216	2.2	12
98	Hydrogen permeation properties of Cr _x Cy@Cr ₂ O ₃ /Al ₂ O ₃ composite coating derived from selective oxidation of a Cr C alloy and atomic layer deposition. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 21133-21141	6.7	12
97	Tunable field emission properties of well-aligned silicon nanowires with controlled aspect ratio and proximity. <i>RSC Advances</i> , 2014 , 4, 31729-31734	3.7	11
96	Ion-implantation-induced patterns formation on silicon substrates. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009 , 41, 833-837	3	11
95	Fast Surface Charge Transfer with Reduced Band Gap Energy of FeVO ₄ /Graphene Nanocomposite and Study of Its Electrochemical Property and Enhanced Photocatalytic Activity. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 6659-6667	2.5	10
94	Design of Ag nanorods for sensitivity and thermal stability of surface-enhanced Raman scattering. <i>Nanotechnology</i> , 2017 , 28, 405602	3.4	10
93	Control the relative length of carbon nanotubes from site to site on one silicon substrate. <i>Applied Physics Letters</i> , 2005 , 87, 223121	3.4	10
92	Pinhole Effect on the Melting Behavior of Ag@Al ₂ O ₃ SERS Substrates. <i>Nanoscale Research Letters</i> , 2016 , 11, 170	5	10
91	TiN Nanorods as Effective Substrate for Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 29353-29359	3.8	10
90	Preparation of a superhydrophobic TiN/PTFE composite film toward self-cleaning and corrosion protection applications. <i>Journal of Materials Science</i> , 2021 , 56, 1413-1425	4.3	10
89	HfO ₂ Nanorod Array as High-Performance and High-Temperature Antireflective Coating. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1600892	4.6	9
88	Effect of Xe ion irradiation on photocatalytic performance of oblique TiO ₂ nanowire arrays. <i>Applied Surface Science</i> , 2015 , 327, 478-482	6.7	9

87	Bilayer SiO ₂ Nanorod Arrays as Omnidirectional and Thermally Stable Antireflective Coating. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700942	3.5	9
86	Quantification of trace chemicals in unknown complex systems by SERS. <i>Talanta</i> , 2018 , 186, 452-458	6.2	9
85	Enhanced light absorption of amorphous silicon thin film by substrate control and ion irradiation. <i>Nanoscale Research Letters</i> , 2014 , 9, 173	5	9
84	Fabrication of MoO _x Film as a Conductive Anode Material for Micro-Supercapacitors by Electrodeposition and Annealing. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A1051-A1057	3.9	9
83	Oxygen deficient V ₂ O ₅ nanorods for gas sensing. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011 , 43, 1726-1729	3	9
82	Facile synthesis of Zn ₃ (VO ₄) ₂ /FeVO ₄ heterojunction and study on its photocatalytic and electrochemical properties. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 421-433	3.3	9
81	Label-free surface-enhanced Raman spectroscopy of serum based on multivariate statistical analysis for the diagnosis and staging of lung adenocarcinoma. <i>Vibrational Spectroscopy</i> , 2019 , 100, 177-184	2.1	9
80	Robust quantitative SERS analysis with Relative Raman scattering intensities. <i>Talanta</i> , 2021 , 221, 121465	6.2	9
79	Fabrication and simulation of V-shaped Ag nanorods as high-performance SERS substrates. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 25623-25628	3.6	9
78	Highly stable and active SERS substrates with Ag-Ti alloy nanorods. <i>Nanoscale</i> , 2018 , 10, 19863-19870	7.7	9
77	Simultaneous Thermal Stability and Ultrahigh Sensitivity of Heterojunction SERS Substrates. <i>Nanomaterials</i> , 2019 , 9,	5.4	8
76	Effects of Ti transition layers and thermal annealing on the adhesive property of Ag nanorods-based SERS sensors. <i>Applied Surface Science</i> , 2019 , 476, 363-368	6.7	8
75	Coupling between plasmonic nanohole array and nanorod array: the emerging of a new extraordinary optical transmission mode and epsilon-near-zero property. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 275202	3	8
74	Quantum sieving of H ₂ /D ₂ in MOFs: a study on the correlation between the separation performance, pore size and temperature. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6319-6327	13	8
73	Annealing effect on the photoelectrochemical and photocatalytic performance of TiO ₂ nanorod arrays. <i>RSC Advances</i> , 2017 , 7, 51382-51390	3.7	8
72	Mechanical property improvement by texture control of magnetron co-sputtered Zr-Ti films. <i>Journal of Applied Physics</i> , 2014 , 115, 043524	2.5	8
71	Visible Light Photoelectrochemical Properties of N-Doped TiO ₂ Nanorod Arrays from TiN. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-8	3.2	8
70	The Nanofabrication and Application of Substrates for Surface-Enhanced Raman Scattering. <i>International Journal of Spectroscopy</i> , 2012 , 2012, 1-7		8

69	Realignment of slanted Fe nanorods on silicon substrates by a strong magnetic field. <i>Nano Research</i> , 2010 , 3, 438-443	10	8
68	Synthesis of silicon carbide nanowires by solid phase source chemical vapor deposition. <i>Frontiers of Materials Science in China</i> , 2007 , 1, 304-308		8
67	Fe ₂ O ₃ nanopillar arrays fabricated by electron beam evaporation for the photoassisted degradation of dyes with H ₂ O ₂ . <i>RSC Advances</i> , 2016 , 6, 534-540	3.7	7
66	Ag Nanorods-Oxide Hybrid Array Substrates: Synthesis, Characterization, and Applications in Surface-Enhanced Raman Scattering. <i>Sensors</i> , 2017 , 17,	3.8	7
65	Self-networking of carbon nanotubes. <i>Chemical Communications</i> , 2002 , 962-3	5.8	7
64	Large-Area Fabrication of Complex Nanohole Arrays with Highly Tunable Plasmonic Properties. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37435-37443	9.5	7
63	Design of Armrest Ag Nanorod Arrays with High SERS Performance for Sensitive Biomolecule Detection. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21054-21062	3.8	7
62	Photocatalytic performance of ferric vanadate (FeVO ₄) nanoparticles synthesized by hydrothermal method. <i>Materials Science in Semiconductor Processing</i> , 2021 , 129, 105785	4.3	7
61	Microstructure evolution and Young's modulus of He-implanted nanocrystalline tungsten film. <i>Journal of Nuclear Materials</i> , 2019 , 518, 226-233	3.3	6
60	Atomic oxygen treatment effects on magnetron sputtered ZrTi binary films. <i>Applied Surface Science</i> , 2015 , 324, 669-676	6.7	6
59	Amorphous magnetic semiconductors with Curie temperatures above room temperature. <i>Journal of Semiconductors</i> , 2019 , 40, 081510	2.3	5
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