

# Fen Ren

## 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.

193 papers	5,227 citations	37 h-index	65 g-index
198 ext. papers	6,093 ext. citations	4.8 avg, IF	5.69 L-index

#	Paper	IF	Citations
193	Near-Surface Buried Plasmonic Nanoparticles in Glass as Novel Nonlinear Saturable Absorbers for Ultrafast Lasers (Advanced Optical Materials 1/2022). <i>Advanced Optical Materials</i> , <b>2022</b> , 10, 2270004	8.1	0
192	Fabrication of stable substoichiometric WOx films with high SERS sensitivity by thermal treatment. <i>Vacuum</i> , <b>2022</b> , 198, 110884	3.7	0
191	Second-harmonic generation of embedded plasmonic nanoparticle arrays via interparticle coupling. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 073104	3.4	1
190	Improving PEC Performance of BiVO4 by Introducing Bulk Oxygen Vacancies by He+ Ion Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 7688-7695	3.8	0
189	Plasmon-enhanced third-order optical nonlinearity of monolayer MoS2. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 193101	3.4	2
188	Extremely low thermal conductivity of Ta2O3 with porous structure. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 195103	2.5	1
187	High Transient-Thermal-Shock Resistant Nanochannel Tungsten Films. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	1
186	Tapered depressed-cladding waveguide lasers modulated by Ag nanoparticles embedded in SiO2. <i>Results in Physics</i> , <b>2021</b> , 30, 104897	3.7	0
185	Realization of Precise Tuning the Superconducting Properties of Mn-Doped Al Films for Transition Edge Sensors. <i>Journal of Low Temperature Physics</i> , <b>2021</b> , 202, 71-82	1.3	1
184	Surface plasmon enhanced photoluminescence of monolayer WS2 on ion beam modified functional substrate. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 263103	3.4	4
183	Review on helium behaviors in nanochannel tungsten film. <i>Tungsten</i> , <b>2021</b> , 3, 369-381	4.6	0
182	A Plasmon-Enhanced SnSe Photodetector by Non-Contact Ag Nanoparticles. <i>Small</i> , <b>2021</b> , 17, e2102351	11	6
181	Ultrafast electron transfer dynamics in Ag/TiO2 nanocomposite for tailoring of optical nonlinearity. <i>Applied Surface Science</i> , <b>2021</b> , 539, 148258	6.7	2
180	Oxygen vacancy enhanced room temperature ferromagnetism in Ar+ ion irradiated WO3 films. <i>Ceramics International</i> , <b>2021</b> , 47, 5091-5098	5.1	2
179	Near-Infrared All-Optical Switching Based on Nano/Micro Optical Structures in YVO4 Matrix: Embedded Plasmonic Nanoparticles and Laser-Written Waveguides. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2000064	1.9	3
178	Ion Irradiation Inducing Oxygen Vacancy-Rich NiO/NiFe O Heterostructure for Enhanced Electrocatalytic Water Splitting. <i>Small</i> , <b>2021</b> , 17, e2103501	11	13
177	Constructing high-performance radiation-resistant ternary YSZ-MgO-CNT nanocomposites via tailored nanostructures. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 5280-5291	6	2

176	A general method for large-scale fabrication of metal nanoparticles embedded N-doped carbon fiber cloth with highly efficient hydrogen production in all pH range. <i>Electrochimica Acta</i> , <b>2020</b> , 353, 136475	6.7	3
175	Plasmon-induced photoluminescence and Raman enhancement in Pr:CaF <sub>2</sub> crystal by embedded silver nanoparticles. <i>Applied Surface Science</i> , <b>2020</b> , 530, 147018	6.7	8
174	A better nanochannel tungsten film in releasing helium atoms. <i>Journal of Nuclear Materials</i> , <b>2020</b> , 532, 152044	3.3	5
173	Enhanced photoelectrochemical performance of an Fe <sub>2</sub> O <sub>3</sub> nanorods photoanode with embedded nanocavities formed by helium ions implantation. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 9408-9415	6.7	9
172	Thermal Conductivity, Electrical Resistivity, and Microstructure of Cu/W Multilayered Nanofilms. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 8886-8896	9.5	8
171	Fused Silica with Embedded 2D-Like Ag Nanoparticle Monolayer: Tunable Saturable Absorbers by Interparticle Spacing Manipulation. <i>Laser and Photonics Reviews</i> , <b>2020</b> , 14, 1900302	8.3	21
170	Self-Assembly of Carbon Black/AAO Templates on Nanoporous Si for Broadband Infrared Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 4081-4087	9.5	9
169	Application of ion beam technology in (photo)electrocatalytic materials for renewable energy. <i>Applied Physics Reviews</i> , <b>2020</b> , 7, 041303	17.3	10
168	Plasmonic core-shell nano-heterostructures with temperature-dependent optical nonlinearity. <i>Nanoscale</i> , <b>2020</b> , 12, 22995-23002	7.7	2
167	Optical Nonlinearity: A Novel Hierarchical Nanostructure for Enhanced Optical Nonlinearity Based on Scattering Mechanism (Small 39/2020). <i>Small</i> , <b>2020</b> , 16, 2070217	11	
166	Smart 3D Network Nanocomposites Collect Irradiation-Induced Trash. <i>Matter</i> , <b>2020</b> , 3, 1631-1645	12.7	3
165	Significant hydrogen isotopes permeation resistance via nitride nano-multilayer coating. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 19583-19589	6.7	4
164	Selective trapping of positrons by Ag nanolayers in a V/Ag multilayer system. <i>AIP Advances</i> , <b>2020</b> , 10, 035012	1.5	2
163	A Novel Hierarchical Nanostructure for Enhanced Optical Nonlinearity Based on Scattering Mechanism. <i>Small</i> , <b>2020</b> , 16, e2003172	11	6
162	Enhanced thermal stability of solar selective absorber based on nano-multilayered TiAlON films deposited by cathodic arc evaporation. <i>Applied Surface Science</i> , <b>2020</b> , 501, 144025	6.7	14
161	Surface Electronic Structure Reconfiguration of Hematite Nanorods for Efficient Photoanodic Water Oxidation. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900349	7.1	12
160	Generation of High Quality, Uniform and Stable Plasmonic Colorants via Laser Direct Writing. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000164	8.1	9
159	Copper Nanoparticles Embedded in Lithium Tantalate Crystals for Multi-GHz Lasers. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 5871-5877	5.6	10

158	Different Radiation Tolerances of Ultrafine-Grained Zirconia-Magnesia Composite Ceramics with Different Grain Sizes. <i>Materials</i> , <b>2019</b> , 12,	3.5	1
157	Influence of nanochannel structure on helium-vacancy cluster evolution and helium retention. <i>Journal of Nuclear Materials</i> , <b>2019</b> , 527, 151822	3.3	11
156	Plasmonic Ag nanoparticles embedded in lithium tantalate crystal for ultrafast laser generation. <i>Nanotechnology</i> , <b>2019</b> , 30, 334001	3.4	8
155	C/N Vacancy Co-Enhanced Visible-Light-Driven Hydrogen Evolution of g-C <sub>3</sub> N <sub>4</sub> Nanosheets Through Controlled He <sup>+</sup> Ion Irradiation (Solar RRL 40019). <i>Solar Rrl</i> , <b>2019</b> , 3, 1970043	7.1	0
154	Understanding the release of helium atoms from nanochannel tungsten: a molecular dynamics simulation. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 076020	3.3	7
153	Monolithic waveguide laser mode-locked by embedded Ag nanoparticles operating at 1 $\mu$ m. <i>Nanophotonics</i> , <b>2019</b> , 8, 859-868	6.3	21
152	86 GHz Q-switched mode-locked waveguide lasing based on LiNbO <sub>3</sub> crystal embedded Cu nanoparticles. <i>Optical Materials Express</i> , <b>2019</b> , 9, 3808	2.6	11
151	C/N Vacancy Co-Enhanced Visible-Light-Driven Hydrogen Evolution of g-C <sub>3</sub> N <sub>4</sub> Nanosheets Through Controlled He <sup>+</sup> Ion Irradiation. <i>Solar Rrl</i> , <b>2019</b> , 3, 1800298	7.1	37
150	Evolution of helium bubbles below different tungsten surfaces under neutron irradiation and non-irradiation conditions. <i>Computational Materials Science</i> , <b>2018</b> , 148, 242-248	3.2	11
149	Microstructure and hardness evolution of nanochannel W films irradiated by helium at high temperature. <i>Journal of Nuclear Materials</i> , <b>2018</b> , 502, 132-140	3.3	24
148	Nonlinear Absorption Response Correlated to Embedded Ag Nanoparticles in BGO Single Crystal: From Two-Photon to Three-Photon Absorption. <i>Scientific Reports</i> , <b>2018</b> , 8, 1977	4.9	20
147	Formation of tungsten oxide nanowires by ion irradiation and vacuum annealing. <i>Nanotechnology</i> , <b>2018</b> , 29, 155301	3.4	6
146	Vacancy-doped homojunction structural TiO <sub>2</sub> nanorod photoelectrodes with greatly enhanced photoelectrochemical activity. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 2057-2063	6.7	15
145	Fabrication of nanoporous Si electrocathode by high-energy argon ion irradiation for improved electrocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 64-71	6.7	8
144	Helium retention in krypton ion pre-irradiated nanochannel W film. <i>Nuclear Fusion</i> , <b>2018</b> , 58, 026021	3.3	9
143	A review of Ga <sub>2</sub> O <sub>3</sub> materials, processing, and devices. <i>Applied Physics Reviews</i> , <b>2018</b> , 5, 011301	17.3	1114
142	Microstructural evolution of nanochannel CrN films under ion irradiation at elevated temperature and post-irradiation annealing. <i>Journal of Nuclear Materials</i> , <b>2018</b> , 500, 242-251	3.3	7
141	Enhanced photoelectrochemical performance of TiO <sub>2</sub> through controlled Ar <sup>+</sup> ion irradiation: A combined experimental and theoretical study. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 6936-6944	6.7	6

140	Nanochannel structures in W enhance radiation tolerance. <i>Acta Materialia</i> , <b>2018</b> , 153, 147-155	8.4	34
139	Ag nanoparticles embedded in Nd:YAG crystals irradiated with tilted beam of 200 MeV Xe ions: optical dichroism correlated to particle reshaping. <i>Nanotechnology</i> , <b>2018</b> , 29, 424001	3.4	4
138	Tailoring optical nonlinearities of LiNbO crystals by plasmonic silver nanoparticles for broadband saturable absorbers. <i>Optics Express</i> , <b>2018</b> , 26, 31276-31289	3.3	17
137	Enhanced radiation tolerance of YSZ/Al <sub>2</sub> O <sub>3</sub> multilayered nanofilms with pre-existing nanovoids. <i>Acta Materialia</i> , <b>2018</b> , 144, 691-699	8.4	18
136	A multifunctional vanadium-doped cobalt oxide layer on silicon photoanodes for efficient and stable photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21167-21177	13	12
135	Swift heavy ion irradiation to ZnO nanoparticles: Steep degradation at low fluences and stable tolerance at high fluences. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 145901	2.5	9
134	Embedded silver nanoparticles in KTP crystal produced by ion implantation. <i>Materials Letters</i> , <b>2017</b> , 193, 158-160	3.3	6
133	The temperature and size effect on the electrical resistivity of Cu/V multilayer films. <i>Acta Materialia</i> , <b>2017</b> , 126, 294-301	8.4	31
132	W ion implantation boosting visible-light photoelectrochemical water splitting over ZnO nanorod arrays. <i>Journal of Photonics for Energy</i> , <b>2017</b> , 7, 016501	1.2	4
131	A General Method for Large-Scale Fabrication of Semiconducting Oxides with High SERS Sensitivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14534-14544	9.5	45
130	Controllable synthesis of Au@SnO <sub>2</sub> core-shell nanohybrids with enhanced photocatalytic activities. <i>Materials Research Express</i> , <b>2017</b> , 4, 055502	1.7	3
129	Enhanced PEC performance of nanoporous Si photoelectrodes by covering HfO and TiO passivation layers. <i>Scientific Reports</i> , <b>2017</b> , 7, 43901	4.9	18
128	Giant Enhancement of Nonlinear Optical Response in Nd:YAG Single Crystals by Embedded Silver Nanoparticles. <i>ACS Omega</i> , <b>2017</b> , 2, 1279-1286	3.9	24
127	Cathodic shift of onset potential for water oxidation of WO <sub>3</sub> photoanode by Zr <sup>+</sup> ions implantation. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 085305	2.5	10
126	Zinc Oxide Coating Effect for the Dye Removal and Photocatalytic Mechanisms of Flower-Like MoS Nanoparticles. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 221	5	43
125	Synthesis of TiO@g-CN core-shell nanorod arrays with Z-scheme enhanced photocatalytic activity under visible light. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 508, 419-425	9.3	46
124	Period-thickness dependent responses of Cu/W multilayered nanofilms to ions irradiation under different ion energies. <i>Journal of Nuclear Materials</i> , <b>2017</b> , 497, 117-127	3.3	15
123	Ultrafast Self-Limited Growth of Strictly Monolayer WSe Crystals. <i>Small</i> , <b>2016</b> , 12, 5741-5749	11	42

122	Monolayer Crystals: Ultrafast Self-Limited Growth of Strictly Monolayer WSe <sub>2</sub> Crystals (Small 41/2016). <i>Small</i> , <b>2016</b> , 12, 5780-5780	11	
121	Study of doping uniformity of a 200 kV ion implanter by RBS and sheet resistance measurements. <i>Nuclear Science and Techniques/Hewuli</i> , <b>2016</b> , 27, 1	2.1	1
120	Structure and thermal stability of spectrally selective absorber based on AlCrON coating for solar-thermal conversion applications. <i>Solar Energy Materials and Solar Cells</i> , <b>2016</b> , 157, 108-116	6.4	27
119	Optimization of AlCrO-based absorber with Mo infrared reflector for solar selective applications. <i>Vacuum</i> , <b>2016</b> , 128, 27-33	3.7	8
118	One-step synthesis of hierarchically porous hybrid TiO <sub>2</sub> hollow spheres with high photocatalytic activity. <i>Frontiers of Materials Science</i> , <b>2016</b> , 10, 15-22	2.5	4
117	In situ Oxidation and Self-Assembly Synthesis of Dumbbell-like Fe <sub>2</sub> O <sub>3</sub> /Ag/AgX (X = Cl, Br, I) Heterostructures with Enhanced Photocatalytic Properties. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 1521-1530	8.3	41
116	Carbon and silica interlayer influence for the photocatalytic performances of spindle-like Fe <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> p-n heterostructures. <i>Materials Science in Semiconductor Processing</i> , <b>2016</b> , 41, 411-419	4.3	18
115	Fabrication of porous TiO <sub>2</sub> nanorod array photoelectrodes with enhanced photoelectrochemical water splitting by helium ion implantation. <i>Nanoscale</i> , <b>2016</b> , 8, 10642-8	7.7	16
114	Design of Enhanced Catalysts by Coupling of Noble Metals (Au,Ag) with Semiconductor SnO <sub>2</sub> for Catalytic Reduction of 4-Nitrophenol. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 212-220	3.1	18
113	FePt nanoparticles: a novel nanoprobe for enhanced HeLa cells sensitivity to chemoradiotherapy. <i>RSC Advances</i> , <b>2016</b> , 6, 35124-35134	3.7	17
112	Tube-like Fe <sub>2</sub> O <sub>3</sub> @Ag/AgCl heterostructure: controllable synthesis and enhanced plasmonic photocatalytic activity. <i>RSC Advances</i> , <b>2015</b> , 5, 61239-61248	3.7	17
111	A strategy of engineering impurity distribution in metal oxide nanostructures for photoelectrochemical water splitting. <i>Journal of Materiomics</i> , <b>2015</b> , 1, 134-145	6.7	14
110	Irradiation-induced TiO <sub>2</sub> nanorods for photoelectrochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 5034-5041	6.7	18
109	Effects of SiH <sub>4</sub> flow rate on microstructure and mechanical properties of TiSiN nanocomposite coatings by cathodic arc ion plating. <i>Vacuum</i> , <b>2015</b> , 117, 12-16	3.7	9
108	Monolayer graphene on nanostructured Ag for enhancement of surface-enhanced Raman scattering stable platform. <i>Nanotechnology</i> , <b>2015</b> , 26, 125603	3.4	21
107	Efficient enhancement of hydrogen production by Ag/Cu <sub>2</sub> O/ZnO tandem triple-junction photoelectrochemical cell. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 123901	3.4	33
106	3D Flowerlike Fe <sub>2</sub> O <sub>3</sub> @TiO <sub>2</sub> Core-Shell Nanostructures: General Synthesis and Enhanced Photocatalytic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 2975-2984	8.3	154
105	In situ TEM observation of helium bubble evolution in V/Ag multilayer during annealing. <i>Journal of Nuclear Materials</i> , <b>2015</b> , 467, 537-543	3.3	19

104	V ions implanted ZnO nanorod arrays for photoelectrochemical water splitting under visible light. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 1394-1401	6.7	68
103	Direct growth of molybdenum disulfide on arbitrary insulating surfaces by chemical vapor deposition. <i>RSC Advances</i> , <b>2015</b> , 5, 4364-4367	3.7	28
102	Size-dependent radiation tolerance and corrosion resistance in ion irradiated CrN/AlTiN nanofilms. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2015</b> , 342, 137-143	1.2	10
101	N Doping to ZnO Nanorods for Photoelectrochemical Water Splitting under Visible Light: Engineered Impurity Distribution and Terraced Band Structure. <i>Scientific Reports</i> , <b>2015</b> , 5, 12925	4.9	143
100	Preparation of M@BiFeO <sub>3</sub> Nanocomposites (M=Ag, Au) Bowl Arrays with Enhanced Visible Light Photocatalytic Activity. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2255-2263	3.8	46
99	FePt nanoparticles as a potential X-ray activated chemotherapy agent for HeLa cells. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 6435-44	7.3	14
98	A General Synthesis Strategy for Hierarchical Porous Metal Oxide Hollow Spheres. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-7	3.2	3
97	Long-term thermal stability of CrAlO-based solar selective absorbing coating in elevated temperature air. <i>Solar Energy Materials and Solar Cells</i> , <b>2015</b> , 134, 261-267	6.4	40
96	The spectral properties and thermal stability of CrAlO-based solar selective absorbing nanocomposite coating. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 122, 226-232	6.4	29
95	Rings of saturn-like nanoarrays with high number density of hot spots for surface-enhanced Raman scattering. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 033515	3.4	20
94	Efficient enhancement of solar-water-splitting by modified $\pi$ -scheme structural WO <sub>3</sub> -W-Si photoelectrodes. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 143902	3.4	17
93	Template and silica interlayer tailorable synthesis of spindle-like multilayer Fe <sub>2</sub> O <sub>3</sub> /Ag/SnO <sub>2</sub> ternary hybrid architectures and their enhanced photocatalytic activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1113-24	9.5	60
92	Micro/Nanosized Nontraditional Evaporated Structures Based on Closely Packed Monolayer Binary Colloidal Crystals and Their Fine Structure Enhanced Properties. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 20521-20528	3.8	20
91	Tube-like ternary Fe <sub>2</sub> O <sub>3</sub> @SnO <sub>2</sub> @Cu <sub>2</sub> O sandwich heterostructures: synthesis and enhanced photocatalytic properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13088-97	9.5	70
90	Energy dependence on formation of TiO <sub>2</sub> nanofilms by Ti ion implantation and annealing. <i>Materials Research Bulletin</i> , <b>2014</b> , 51, 376-380	5.1	6
89	Enhanced radiation tolerance of nanochannel V films through defects release. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 334, 1-7	1.2	12
88	Size effects of Ag nanoparticles on plasmon-induced enhancement of photocatalysis of Ag-Fe <sub>3</sub> O <sub>4</sub> nanocomposites. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 427, 29-34	9.3	38
87	Fabrication of TiO <sub>2</sub> Nanofilm Photoelectrodes on Ti Foil by Ti Ion Implantation and Subsequent Annealing. <i>Advances in Condensed Matter Physics</i> , <b>2014</b> , 2014, 1-7	1	1



86	Modulating the threshold voltage of oxide nanowire field-effect transistors by a Ga <sup>+</sup> ion beam. <i>Nano Research</i> , <b>2014</b> , 7, 1691-1698	10	19
85	Formation of TiO <sub>2</sub> nanorods by ion irradiation. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 184306	2.5	10
84	Side-to-side alignment of gold nanorods with polarization-free characteristic for highly reproducible surface enhanced Raman scattering. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 211902	3.4	13
83	Synergistic effect of V/N codoping by ion implantation on the electronic and optical properties of TiO <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 143106	2.5	6
82	Fabrication of TiO <sub>2</sub> -based composite films by sequential ion implantation and subsequent annealing. <i>Materials Research Express</i> , <b>2014</b> , 1, 025703	1.7	2
81	Helium release and amorphization resistance in ion irradiated nanochannel films. <i>Europhysics Letters</i> , <b>2014</b> , 106, 12001	1.6	11
80	Structure and Growth Mechanism of V/Ag Multilayers with Different Periodic Thickness Fabricated by Magnetron Sputtering Deposition. <i>Journal of Materials Science and Technology</i> , <b>2014</b> , 30, 1012-1019	9.1	7
79	Activating ZnO nanorod photoanodes in visible light by Cu ion implantation. <i>Nano Research</i> , <b>2014</b> , 7, 353-364	10	69
78	Controllable synthesis of recyclable core-shell Fe <sub>2</sub> O <sub>3</sub> @SnO <sub>2</sub> hollow nanoparticles with enhanced photocatalytic and gas sensing properties. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 8228-36	3.6	52
77	The ion implantation-induced properties of one-dimensional nanomaterials. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 175	5	22
76	Efficiency enhancements in Ag nanoparticles-SiO <sub>2</sub> -TiO <sub>2</sub> sandwiched structure via plasmonic effect-enhanced light capturing. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 73	5	32
75	Fabrication and evolution of nanostructure in Al <sub>2</sub> O <sub>3</sub> single crystals by Zn <sup>+</sup> ion implantation and thermal annealing. <i>Vacuum</i> , <b>2013</b> , 89, 132-135	3.7	
74	Synthesis of graphene by MEVVA source ion implantation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 305, 29-32	1.2	6
73	Large-area, well-ordered, uniform-sized bowtie nanoantenna arrays for surface enhanced Raman scattering substrate with ultra-sensitive detection. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 041903	3.4	35
72	Enhanced and polarization dependence of surface-enhanced Raman scattering in silver nanoparticle array-nanowire systems. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 163108	3.4	18
71	SiO <sub>2</sub> /Ag/SiO <sub>2</sub> /TiO <sub>2</sub> multi-shell structures: plasmon enhanced photocatalysts with wide-spectral-response. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13128	13	64
70	Fabrication and characterization of Ag-implantation modified TiO <sub>2</sub> films followed with thermal annealing. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 307, 373-376	1.2	3
69	Non-centrosymmetric Au-SnO <sub>2</sub> hybrid nanostructures with strong localization of plasmonic for enhanced photocatalysis application. <i>Nanoscale</i> , <b>2013</b> , 5, 5628-36	7.7	46



68	Spindle-like $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> embedded with TiO <sub>2</sub> nanocrystalline: ion implantation preparation and enhanced magnetic properties. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 5428-33	1.3	7
67	A Novel Way to Fabricate Superhydrophilic and Antibacterial TiO <sub>2</sub> Nanofilms on Glass by Ion Implantation and Subsequent Annealing. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 100207	1.4	4
66	Fabrication and properties of TiO <sub>2</sub> nanofilms on different substrates by a novel and universal method of Ti-ion implantation and subsequent annealing. <i>Nanotechnology</i> , <b>2013</b> , 24, 255603	3.4	11
65	Size control and magnetic properties of single layer monodisperse Ni nanoparticles prepared by magnetron sputtering. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 508-513	4.3	7
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