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List of Publications by Year
in descending order

197 papers	7,005 citations	76326 40 h-index	71685 76 g-index
198 all docs	198 docs citations	198 times ranked	9295 citing authors

#	Article	IF	Citations
1	Nearâ€Surface Buried Plasmonic Nanoparticles in Glass as Novel Nonlinear Saturable Absorbers for Ultrafast Lasers. Advanced Optical Materials, 2022, 10, 2101664.	7.3	12
2	Strong Faraday Rotation Based on Localized Surface Plasmon Enhancement of Embedded Metallic Nanoparticles in Glass. Small Science, 2022, 2, .	9.9	8
3	Nearâ€Surface Buried Plasmonic Nanoparticles in Glass as Novel Nonlinear Saturable Absorbers for Ultrafast Lasers (Advanced Optical Materials 1/2022). Advanced Optical Materials, 2022, 10, .	7.3	0
4	Fabrication of stable substoichiometric WOx films with high SERS sensitivity by thermal treatment. Vacuum, 2022, 198, 110884.	3.5	4
5	Second-harmonic generation of embedded plasmonic nanoparticle arrays via interparticle coupling. Applied Physics Letters, 2022, 120, .	3.3	8
6	Improving PEC Performance of BiVO₄ by Introducing Bulk Oxygen Vacancies by He⁺ Ion Irradiation. Journal of Physical Chemistry C, 2022, 126, 7688-7695.	3.1	4
7	Plasmon-enhanced third-order optical nonlinearity of monolayer MoS2. Applied Physics Letters, 2022, 120, .	3.3	5
8	Measurements of Rayleigh ratios in linear alkylbenzene. Review of Scientific Instruments, 2022, 93, 063106.	1.3	2
9	Mechanoluminescence from an Ion-Irradiated Single Crystal of Lithium Niobium Oxide. Journal of Physical Chemistry Letters, 2022, 13, 5394-5398.	4.6	1
10	Carbon nanomaterials in nickel and iron helping to disperse or release He atoms. Materials Today Communications, 2022, 32, 104024.	1.9	1
11	Selfâ€Powered Lithium Niobate Thinâ€Film Photodetectors. Small, 2022, 18, .	10.0	20
12	Ultrafast electron transfer dynamics in Ag/TiO2 nanocomposite for tailoring of optical nonlinearity. Applied Surface Science, 2021, 539, 148258.	6.1	8
13	Oxygen vacancy enhanced room temperature ferromagnetism in Ar+ ion irradiated WO3 films. Ceramics International, 2021, 47, 5091-5098.	4.8	6
14	Nearâ€Infrared Allâ€Optical Switching Based on Nano/Micro Optical Structures in YVO₄ Matrix: Embedded Plasmonic Nanoparticles and Laserâ€Written Waveguides. Advanced Photonics Research, 2021, 2, 2000064.	3.6	6
15	Surface plasmon enhanced photoluminescence of monolayer WS2 on ion beam modified functional substrate. Applied Physics Letters, 2021, 118, .	3.3	10
16	Review on helium behaviors in nanochannel tungsten film. Tungsten, 2021, 3, 369-381.	4.8	2
17	A Plasmonâ€Enhanced SnSe₂ Photodetector by Nonâ€Contact Ag Nanoparticles. Small, 2021, 17, e2102351.	10.0	25
18	Ion Irradiation Inducing Oxygen Vacancyâ€Rich NiO/NiFe₂O₄ Heterostructure for Enhanced Electrocatalytic Water Splitting. Small, 2021, 17, e2103501.	10.0	76

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19	Constructing high-performance radiation-resistant ternary YSZ-MgO-CNT nanocomposites via tailored nanostructures. Journal of the European Ceramic Society, 2021, 41, 5280-5291.	5.7	11
20	Realization of Precise Tuning the Superconducting Properties of Mn-Doped Al Films for Transition Edge Sensors. Journal of Low Temperature Physics, 2021, 202, 71-82.	1.4	3
21	High Transient-Thermal-Shock Resistant Nanochannel Tungsten Films. Nanomaterials, 2021, 11, 2663.	4.1	5
22	Tapered depressed-cladding waveguide lasers modulated by Ag nanoparticles embedded in SiO2. Results in Physics, 2021, 30, 104897.	4.1	3
23	Extremely Low Thermal Conductivity and Enhanced Thermoelectric Performance of Porous Gallium-Doped In₂O₃. ACS Applied Energy Materials, 2021, 4, 12943-12953.	5.1	5
24	Extremely low thermal conductivity of Î²â^'Ga2O3 with porous structure. Journal of Applied Physics, 2021, 130, .	2.5	4
25	Enhanced thermal stability of solar selective absorber based on nano-multilayered TiAlON films deposited by cathodic arc evaporation. Applied Surface Science, 2020, 501, 144025.	6.1	25
26	Surface Electronic Structure Reconfiguration of Hematite Nanorods for Efficient Photoanodic Water Oxidation. Solar Rrl, 2020, 4, 1900349.	5.8	30
27	Self-Assembly of Carbon Black/AAO Templates on Nanoporous Si for Broadband Infrared Absorption. ACS Applied Materials & Interfaces, 2020, 12, 4081-4087.	8.0	25
28	Application of ion beam technology in (photo)electrocatalytic materials for renewable energy. Applied Physics Reviews, 2020, 7, .	11.3	31
29	Plasmonic coreâ€“shell nano-heterostructures with temperature-dependent optical nonlinearity. Nanoscale, 2020, 12, 22995-23002.	5.6	6
30	Optical Nonlinearity: A Novel Hierarchical Nanostructure for Enhanced Optical Nonlinearity Based on Scattering Mechanism (Small 39/2020). Small, 2020, 16, 2070217.	10.0	0
31	Smart 3D Network Nanocomposites Collect Irradiation-Induced â€œTrashâ€• Matter, 2020, 3, 1631-1645.	10.0	9
32	Significant hydrogen isotopes permeation resistance via nitride nano-multilayer coating. International Journal of Hydrogen Energy, 2020, 45, 19583-19589.	7.1	13
33	Selective trapping of positrons by Ag nanolayers in a V/Ag multilayer system. AIP Advances, 2020, 10, 035012.	1.3	3
34	A Novel Hierarchical Nanostructure for Enhanced Optical Nonlinearity Based on Scattering Mechanism. Small, 2020, 16, 2003172.	10.0	8
35	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. Electrochimica Acta, 2020, 353, 136475.	5.2	9
36	Plasmon-induced photoluminescence and Raman enhancement in Pr:CaF2 crystal by embedded silver nanoparticles. Applied Surface Science, 2020, 530, 147018.	6.1	11

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37	A better nanochannel tungsten film in releasing helium atoms. Journal of Nuclear Materials, 2020, 532, 152044.	2.7	9
38	Enhanced photoelectrochemical performance of an Î±-Fe2O3 nanorods photoanode with embedded nanocavities formed by helium ions implantation. International Journal of Hydrogen Energy, 2020, 45, 9408-9415.	7.1	13
39	Thermal Conductivity, Electrical Resistivity, and Microstructure of Cu/W Multilayered Nanofilms. ACS Applied Materials & Interfaces, 2020, 12, 8886-8896.	8.0	21
40	Fused Silica with Embedded 2Dâ€Like Ag Nanoparticle Monolayer: Tunable Saturable Absorbers by Interparticle Spacing Manipulation. Laser and Photonics Reviews, 2020, 14, 1900302.	8.7	30
41	Generation of High Quality, Uniform and Stable Plasmonic Colorants via Laser Direct Writing. Advanced Optical Materials, 2020, 8, 2000164.	7.3	18
42	Monolithic waveguide laser mode-locked by embedded Ag nanoparticles operating at 1 Î¼m. Nanophotonics, 2019, 8, 859-868.	6.0	26
43	Copper Nanoparticles Embedded in Lithium Tantalate Crystals for Multi-GHz Lasers. ACS Applied Nano Materials, 2019, 2, 5871-5877.	5.0	15
44	Different Radiation Tolerances of Ultrafine-Grained Zirconiaâ€“Magnesia Composite Ceramics with Different Grain Sizes. Materials, 2019, 12, 2649.	2.9	8
45	Influence of nanochannel structure on helium-vacancy cluster evolution and helium retention. Journal of Nuclear Materials, 2019, 527, 151822.	2.7	18
46	Plasmonic Ag nanoparticles embedded in lithium tantalate crystal for ultrafast laser generation. Nanotechnology, 2019, 30, 334001.	2.6	14
47	C/N Vacancy Coâ€Enhanced Visibleâ€Lightâ€Driven Hydrogen Evolution of gâ€C₃N₄ Nanosheets Through Controlled He⁺ Ion Irradiation (Solar RRL 4â•2019). Solar Rrl, 2019, 3, 1970043.	5.8	3
48	Understanding the release of helium atoms from nanochannel tungsten: a molecular dynamics simulation. Nuclear Fusion, 2019, 59, 076020.	3.5	13
49	C/N Vacancy Coâ€Enhanced Visibleâ€Lightâ€Driven Hydrogen Evolution of gâ€C₃N₄ Nanosheets Through Controlled He⁺ Ion Irradiation. Solar Rrl, 2019, 3, 1800298.	5.8	75
50	86â€…GHz Q-switched mode-locked waveguide lasing based on LiNbO₃ crystal embedded Cu nanoparticles. Optical Materials Express, 2019, 9, 3808.	3.0	14
51	Evolution of helium bubbles below different tungsten surfaces under neutron irradiation and non-irradiation conditions. Computational Materials Science, 2018, 148, 242-248.	3.0	16
52	Microstructure and hardness evolution of nanochannel W films irradiated by helium at high temperature. Journal of Nuclear Materials, 2018, 502, 132-140.	2.7	35
53	Nonlinear Absorption Response Correlated to Embedded Ag Nanoparticles in BGO Single Crystal: From Two-Photon to Three-Photon Absorption. Scientific Reports, 2018, 8, 1977.	3.3	23
54	Formation of tungsten oxide nanowires by ion irradiation and vacuum annealing. Nanotechnology, 2018, 29, 155301.	2.6	10

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55	Vacancy-doped homojunction structural TiO2 nanorod photoelectrodes with greatly enhanced photoelectrochemical activity. International Journal of Hydrogen Energy, 2018, 43, 2057-2063.	7.1	19
56	Fabrication of nanoporous Si electrocathode by high-energy argon ion irradiation for improved electrocatalytic hydrogen production. International Journal of Hydrogen Energy, 2018, 43, 64-71.	7.1	9
57	Helium retention in krypton ion pre-irradiated nanochannel W film. Nuclear Fusion, 2018, 58, 026021.	3.5	14
58	A review of Ga2O3 materials, processing, and devices. Applied Physics Reviews, 2018, 5, .	11.3	1,816
59	Microstructural evolution of nanochannel CrN films under ion irradiation at elevated temperature and post-irradiation annealing. Journal of Nuclear Materials, 2018, 500, 242-251.	2.7	15
60	Enhanced photoelectrochemical performance of TiO2 through controlled Ar+ ion irradiation: A combined experimental and theoretical study. International Journal of Hydrogen Energy, 2018, 43, 6936-6944.	7.1	11
61	Enhanced radiation tolerance of YSZ/Al2O3 multilayered nanofilms with pre-existing nanovoids. Acta Materialia, 2018, 144, 691-699.	7.9	27
62	A multifunctional vanadium-doped cobalt oxide layer on silicon photoanodes for efficient and stable photoelectrochemical water oxidation. Journal of Materials Chemistry A, 2018, 6, 21167-21177.	10.3	17
63	Swift heavy ion irradiation to ZnO nanoparticles: Steep degradation at low fluences and stable tolerance at high fluences. Journal of Applied Physics, 2018, 124, .	2.5	10
64	Nanochannel structures in W enhance radiation tolerance. Acta Materialia, 2018, 153, 147-155.	7.9	63
65	Ag nanoparticles embedded in Nd:YAG crystals irradiated with tilted beam of 200 MeV Xe ions: optical dichroism correlated to particle reshaping. Nanotechnology, 2018, 29, 424001.	2.6	5
66	Tailoring optical nonlinearities of LiNbO₃ crystals by plasmonic silver nanoparticles for broadband saturable absorbers. Optics Express, 2018, 26, 31276.	3.4	23
67	Embedded silver nanoparticles in KTP crystal produced by ion implantation. Materials Letters, 2017, 193, 158-160.	2.6	11
68	The temperature and size effect on the electrical resistivity of Cu/V multilayer films. Acta Materialia, 2017, 126, 294-301.	7.9	46
69	W ion implantation boosting visible-light photoelectrochemical water splitting over ZnO nanorod arrays. Journal of Photonics for Energy, 2017, 7, 016501.	1.3	5
70	A General Method for Large-Scale Fabrication of Semiconducting Oxides with High SERS Sensitivity. ACS Applied Materials & Interfaces, 2017, 9, 14534-14544.	8.0	66
71	Controllable synthesis of Au@SnO₂coreâ€“shell nanohybrids with enhanced photocatalytic activities. Materials Research Express, 2017, 4, 055502.	1.6	5
72	Enhanced PEC performance of nanoporous Si photoelectrodes by covering HfO2 and TiO2 passivation layers. Scientific Reports, 2017, 7, 43901.	3.3	23

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73	Giant Enhancement of Nonlinear Optical Response in Nd:YAG Single Crystals by Embedded Silver Nanoparticles. ACS Omega, 2017, 2, 1279-1286.	3.5	32
74	Cathodic shift of onset potential for water oxidation of WO3 photoanode by Zr+ ions implantation. Journal of Applied Physics, 2017, 121, .	2.5	12
75	Zinc Oxide Coating Effect for the Dye Removal and Photocatalytic Mechanisms of Flower-Like MoS2 Nanoparticles. Nanoscale Research Letters, 2017, 12, 221.	5.7	57
76	Synthesis of TiO2@g-C3N4 core-shell nanorod arrays with Z-scheme enhanced photocatalytic activity under visible light. Journal of Colloid and Interface Science, 2017, 508, 419-425.	9.4	61
77	Period-thickness dependent responses of Cu/W multilayered nanofilms to ions irradiation under different ion energies. Journal of Nuclear Materials, 2017, 497, 117-127.	2.7	18
78	Design of Enhanced Catalysts by Coupling of Noble Metals (Au,Ag) with Semiconductor SnO₂ for Catalytic Reduction of 4â€Nitrophenol. Particle and Particle Systems Characterization, 2016, 33, 212-220.	2.3	23
79	FePt nanoparticles: a novel nanoprobe for enhanced HeLa cells sensitivity to chemoradiotherapy. RSC Advances, 2016, 6, 35124-35134.	3.6	20
80	Ultrafast Self-Limited Growth of Strictly Monolayer WSe₂Crystals. Small, 2016, 12, 5741-5749.	10.0	57
81	Monolayer Crystals: Ultrafast Self-Limited Growth of Strictly Monolayer WSe₂ Crystals (Small 41/2016). Small, 2016, 12, 5780-5780.	10.0	0
82	Study of doping uniformity of a 200ÂkV ion implanter by RBS and sheet resistance measurements. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	3.4	3
83	Structure and thermal stability of spectrally selective absorber based on AlCrON coating for solar-thermal conversion applications. Solar Energy Materials and Solar Cells, 2016, 157, 108-116.	6.2	32
84	Optimization of AlCrO-based absorber with Mo infrared reflector for solar selective applications. Vacuum, 2016, 128, 27-33.	3.5	11
85	One-step synthesis of hierarchically porous hybrid TiO2 hollow spheres with high photocatalytic activity. Frontiers of Materials Science, 2016, 10, 15-22.	2.2	5
86	In situ Oxidation and Self-Assembly Synthesis of Dumbbell-like Î±-Fe₂O₃/Ag/AgX (X = Cl, Br, I) Heterostructures with Enhanced Photocatalytic Properties. ACS Sustainable Chemistry and Engineering, 2016, 4, 1521-1530.	6.7	48
87	Carbon and silica interlayer influence for the photocatalytic performances of spindle-like Î±-Fe 2 O 3 /Bi 2 O 3 p â€“ n heterostructures. Materials Science in Semiconductor Processing, 2016, 41, 411-419.	4.0	25
88	Fabrication of porous TiO₂nanorod array photoelectrodes with enhanced photoelectrochemical water splitting by helium ion implantation. Nanoscale, 2016, 8, 10642-10648.	5.6	20
89	N Doping to ZnO Nanorods for Photoelectrochemical Water Splitting under Visible Light: Engineered Impurity Distribution and Terraced Band Structure. Scientific Reports, 2015, 5, 12925.	3.3	176
90	Preparation of M@BiFeO₃ Nanocomposites (MÂ=ÂAg, Au) Bowl Arrays with Enhanced Visible Light Photocatalytic Activity. Journal of the American Ceramic Society, 2015, 98, 2255-2263.	3.8	50

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91	FePt nanoparticles as a potential X-ray activated chemotherapy agent for HeLa cells. International Journal of Nanomedicine, 2015, 10, 6435.	6.7	18
92	A General Synthesis Strategy for Hierarchical Porous Metal Oxide Hollow Spheres. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	5
93	Long-term thermal stability of CrAlO-based solar selective absorbing coating in elevated temperature air. Solar Energy Materials and Solar Cells, 2015, 134, 261-267.	6.2	48
94	Tube-like Î±-Fe₂O₃@Ag/AgCl heterostructure: controllable synthesis and enhanced plasmonic photocatalytic activity. RSC Advances, 2015, 5, 61239-61248.	3.6	22
95	A strategy of engineering impurity distribution in metal oxide nanostructures for photoelectrochemical water splitting. Journal of Materiomics, 2015, 1, 134-145.	5.7	19
96	Irradiation-induced TiO2 nanorods for photoelectrochemical hydrogen production. International Journal of Hydrogen Energy, 2015, 40, 5034-5041.	7.1	21
97	Effects of SiH4 flow rate on microstructure and mechanical properties of TiSiN nanocomposite coatings by cathodic arc ion plating. Vacuum, 2015, 117, 12-16.	3.5	11
98	Monolayer graphene on nanostructured Ag for enhancement of surface-enhanced Raman scattering stable platform. Nanotechnology, 2015, 26, 125603.	2.6	23
99	Efficient enhancement of hydrogen production by Ag/Cu2O/ZnO tandem triple-junction photoelectrochemical cell. Applied Physics Letters, 2015, 106, .	3.3	39
100	3D Flowerlike Î±-Fe₂O₃@TiO₂ Coreâ€“Shell Nanostructures: General Synthesis and Enhanced Photocatalytic Performance. ACS Sustainable Chemistry and Engineering, 2015, 3, 2975-2984.	6.7	184
101	In situ TEM observation of helium bubble evolution in V/Ag multilayer during annealing. Journal of Nuclear Materials, 2015, 467, 537-543.	2.7	19
102	V ions implanted ZnO nanorod arrays for photoelectrochemical water splitting under visible light. International Journal of Hydrogen Energy, 2015, 40, 1394-1401.	7.1	77
103	Direct growth of molybdenum disulfide on arbitrary insulating surfaces by chemical vapor deposition. RSC Advances, 2015, 5, 4364-4367.	3.6	31
104	Size-dependent radiation tolerance and corrosion resistance in ion irradiated CrN/AlTiN nanofilms. Nuclear Instruments & Methods in Physics Research B, 2015, 342, 137-143.	1.4	13
105	Fabrication of TiO2Nanofilm Photoelectrodes on Ti Foil by Ti Ion Implantation and Subsequent Annealing. Advances in Condensed Matter Physics, 2014, 2014, 1-7.	1.1	1
106	Modulating the threshold voltage of oxide nanowire field-effect transistors by a Ga+ ion beam. Nano Research, 2014, 7, 1691-1698.	10.4	20
107	Formation of TiO2nanorods by ion irradiation. Journal of Applied Physics, 2014, 115, 184306.	2.5	11
108	Side-to-side alignment of gold nanorods with polarization-free characteristic for highly reproducible surface enhanced Raman scattering. Applied Physics Letters, 2014, 105, 211902.	3.3	14

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109	Synergistic effect of V/N codoping by ion implantation on the electronic and optical properties of TiO2. Journal of Applied Physics, 2014, 115, 143106.	2.5	8
110	Fabrication of TiO₂-based composite films by sequential ion implantation and subsequent annealing. Materials Research Express, 2014, 1, 025703.	1.6	5
111	Helium release and amorphization resistance in ion irradiated nanochannel films. Europhysics Letters, 2014, 106, 12001.	2.0	15
112	Structure and Growth Mechanism of V/Ag Multilayers with Different Periodic Thickness Fabricated by Magnetron Sputtering Deposition. Journal of Materials Science and Technology, 2014, 30, 1012-1019.	10.7	10
113	Activating ZnO nanorod photoanodes in visible light by Cu ion implantation. Nano Research, 2014, 7, 353-364.	10.4	80
114	The spectral properties and thermal stability of CrAlO-based solar selective absorbing nanocomposite coating. Solar Energy Materials and Solar Cells, 2014, 122, 226-232.	6.2	43
115	â€œRings of saturn-likeâ€•nanoarrays with high number density of hot spots for surface-enhanced Raman scattering. Applied Physics Letters, 2014, 105, 033515.	3.3	21
116	Efficient enhancement of solar-water-splitting by modified â€œZ-schemeâ€•structural WO3-W-Si photoelectrodes. Applied Physics Letters, 2014, 105, 143902.	3.3	17
117	Template and Silica Interlayer Tailorable Synthesis of Spindle-like Multilayer Î±-Fe₂O₃/Ag/SnO₂ Ternary Hybrid Architectures and Their Enhanced Photocatalytic Activity. ACS Applied Materials & Interfaces, 2014, 6, 1113-1124.	8.0	67
118	Microâ€“Nanosized Nontraditional Evaporated Structures Based on Closely Packed Monolayer Binary Colloidal Crystals and Their Fine Structure Enhanced Properties. Journal of Physical Chemistry C, 2014, 118, 20521-20528.	3.1	22
119	Tube-Like Ternary Î±-Fe₂O₃@SnO₂@Cu₂O Sandwich Heterostructures: Synthesis and Enhanced Photocatalytic Properties. ACS Applied Materials & Interfaces, 2014, 6, 13088-13097.	8.0	81
120	Energy dependence on formation of TiO2 nanofilms by Ti ion implantation and annealing. Materials Research Bulletin, 2014, 51, 376-380.	5.2	6
121	Enhanced radiation tolerance of nanochannel V films through defects release. Nuclear Instruments & Methods in Physics Research B, 2014, 334, 1-7.	1.4	18
122	Size effects of Ag nanoparticles on plasmon-induced enhancement of photocatalysis of Ag-Î±-Fe2O3 nanocomposites. Journal of Colloid and Interface Science, 2014, 427, 29-34.	9.4	46
123	Controllable synthesis of recyclable coreâ€“shell Î³-Fe2O3@SnO2 hollow nanoparticles with enhanced photocatalytic and gas sensing properties. Physical Chemistry Chemical Physics, 2013, 15, 8228.	2.8	57
124	The ion implantation-induced properties of one-dimensional nanomaterials. Nanoscale Research Letters, 2013, 8, 175.	5.7	24
125	Efficiency enhancements in Ag nanoparticles-SiO2-TiO2 sandwiched structure via plasmonic effect-enhanced light capturing. Nanoscale Research Letters, 2013, 8, 73.	5.7	38
126	Fabrication and evolution of nanostructure in Al2O3 single crystals by Zn+ ion implantation and thermal annealing. Vacuum, 2013, 89, 132-135.	3.5	0

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127	Synthesis of graphene by MEVVA source ion implantation. Nuclear Instruments & Methods in Physics Research B, 2013, 305, 29-32.	1.4	6
128	Large-area, well-ordered, uniform-sized bowtie nanoantenna arrays for surface enhanced Raman scattering substrate with ultra-sensitive detection. Applied Physics Letters, 2013, 103, .	3.3	39
129	Enhanced and polarization dependence of surface-enhanced Raman scattering in silver nanoparticle array-nanowire systems. Applied Physics Letters, 2013, 102, 163108.	3.3	20
130	SiO2â€“Agâ€“SiO2â€“TiO2 multi-shell structures: plasmon enhanced photocatalysts with wide-spectral-response. Journal of Materials Chemistry A, 2013, 1, 13128.	10.3	71
131	Fabrication and characterization of Ag-implantation modificated TiO2 films followed with thermal annealing. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 373-376.	1.4	5
132	Non-centrosymmetric Auâ€“SnO2 hybrid nanostructures with strong localization of plasmonic for enhanced photocatalysis application. Nanoscale, 2013, 5, 5628.	5.6	51
133	Spindle-Like <I>Î±</I>-Fe₂O₃ Embedded with TiO₂ Nanocrystalline: Ion Implantation Preparation and Enhanced Magnetic Properties. Journal of Nanoscience and Nanotechnology, 2013, 13, 5428-5433.	0.9	7
134	A Novel Way to Fabricate Superhydrophilic and Antibacterial TiO2Nanofilms on Glass by Ion Implantation and Subsequent Annealing. Japanese Journal of Applied Physics, 2013, 52, 100207.	1.5	5
135	Fabrication and properties of TiO₂nanofilms on different substrates by a novel and universal method of Ti-ion implantation and subsequent annealing. Nanotechnology, 2013, 24, 255603.	2.6	13
136	Modified in situ and self-catalytic growth method for fabrication of Ag-coated nanocomposites with tailorable optical properties. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	18
137	Origin of white light luminescence from Si+/C+ sequentially implanted and annealed silica. Journal of Applied Physics, 2012, 111, .	2.5	9
138	A Comparative Study of the Magnetic Behavior of Single and Tubular Clustered Magnetite Nanoparticles. Journal of Low Temperature Physics, 2012, 168, 306-313.	1.4	21
139	Enhanced photocatalysis by coupling of anatase TiO2 film to triangular Ag nanoparticle island. Nanoscale Research Letters, 2012, 7, 239.	5.7	43
140	Controllable Synthesis, Magnetic Properties, and Enhanced Photocatalytic Activity of Spindlelike Mesoporous Î±-Fe₂O₃/ZnO Coreâ€“Shell Heterostructures. ACS Applied Materials & Interfaces, 2012, 4, 3602-3609.	8.0	168
141	In situRaman scattering study on a controllable plasmon-driven surface catalysis reaction on Ag nanoparticle arrays. Nanotechnology, 2012, 23, 335701.	2.6	44
142	Controllable synthesis and catalysis application of hierarchical PS/Au coreâ€“shell nanocomposites. Journal of Colloid and Interface Science, 2012, 387, 47-55.	9.4	19
143	Novel doping for synthesis monodispersed TiO2 grains filled into spindle-like hematite bi-component nanoparticles by ion implantation. AIP Advances, 2012, 2, .	1.3	9
144	Influence of annealing temperature on the properties of TiO2 films annealed by ex situ and in situ TEM. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 1014-1019.	1.0	5

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145	Enhanced radiation tolerance in nitride multilayered nanofilms with small period-thicknesses. Applied Physics Letters, 2012, 101, .	3.3	32
146	Polymerâ€Supported Bimetallic Ag@AgAu Nanocomposites: Synthesis and Catalytic Properties. Chemistry - an Asian Journal, 2012, 7, 1781-1788.	3.3	28
147	Size control and magnetic properties of single layer monodisperse Ni nanoparticles prepared by magnetron sputtering. Journal of Materials Science, 2012, 47, 508-513.	3.7	9
148	Controlled synthesis of magnetic iron oxides@SnO2 quasi-hollow coreâ€“shell heterostructures: formation mechanism, and enhanced photocatalytic activity. Nanoscale, 2011, 3, 4676.	5.6	87
149	Subnanometer Porous Thin Films by the Co-assembly of Nanotube Subunits and Block Copolymers. ACS Nano, 2011, 5, 1376-1384.	14.6	104
150	Mechanism of the enhancement and quenching of ZnO photoluminescence by ZnO-Ag coupling. Europhysics Letters, 2011, 93, 57009.	2.0	96
151	Third-order nonlinearity in Ag-nanoparticles embedded 56GeS2â€“24Ga2S3â€“20KBr chalcohalide glasses. Journal of Non-Crystalline Solids, 2011, 357, 2320-2323.	3.1	28
152	Enhancement of third-order nonlinearity in Ag-nanoparticles-contained chalcohalide glasses. Journal of Nanoparticle Research, 2011, 13, 3693-3697.	1.9	23
153	Solar light-driven photocatalytic hydrogen evolution over ZnIn2S4 loaded with transition-metal sulfides. Nanoscale Research Letters, 2011, 6, 290.	5.7	52
154	Facile method to synthesize magnetic iron oxides/TiO2 hybrid nanoparticles and their photodegradation application of methylene blue. Nanoscale Research Letters, 2011, 6, 533.	5.7	90
155	Preparation and characterization of spindle-like Fe3O4 mesoporous nanoparticles. Nanoscale Research Letters, 2011, 6, 89.	5.7	66
156	Controlled Synthesis of Monodisperse Subâ€100â€…nm Hollow SnO₂ Nanospheres: A Templateâ€and Surfactantâ€Free Solutionâ€Phase Route, the Growth Mechanism, Optical Properties, and Application as a Photocatalyst. Chemistry - A European Journal, 2011, 17, 9708-9719.	3.3	57
157	Characterization of DC reactive magnetron sputtered NiO films using spectroscopic ellipsometry. Applied Surface Science, 2011, 257, 5908-5912.	6.1	27
158	Controllable Synthesis of TiO2 Submicrospheres with Smooth or Rough Surface. Chemistry Letters, 2010, 39, 684-685.	1.3	5
159	Controlling the microstructure of ZnO nanoparticles embedded in Sapphire by Zn ion implantation and subsequent annealing. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 2702-2705.	1.4	5
160	Facile Fabrication of Ultrafine Hollow Silica and Magnetic Hollow Silica Nanoparticles by a Dual-Templating Approach. Nanoscale Research Letters, 2010, 5, 116-123.	5.7	14
161	Synthesis and Magnetic Properties of Maghemite (Î³-Fe2O3) Short-Nanotubes. Nanoscale Research Letters, 2010, 5, 1474-1479.	5.7	113
162	Effect of Ag2S on solar-driven photocatalytic hydrogen evolution of nanostructured CdS. International Journal of Hydrogen Energy, 2010, 35, 7110-7115.	7.1	126

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163	Antibacterial Silver-Containing Silica Glass Prepared by Ion Implantation. Journal of Nanoscience and Nanotechnology, 2010, 10, 6424-6427.	0.9	4
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