

# Tadaaki Nagao

## 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.

257 papers	8,668 citations	51 h-index	84 g-index
283 ext. papers	9,816 ext. citations	4.8 avg, IF	6.11 L-index

#	Paper	IF	Citations
257	Direct imaging of visible-light-induced one-step charge separation at the chromium(iii) oxide/strontium titanate interface. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 752-761	13	2
256	Wavelength-Selective Photothermal Infrared Sensors. <i>NIMS Monographs</i> , <b>2022</b> , 71-91	0.3	
255	Solar Water Distillation Using Titanium Nitride Nanostructures. <i>Journal of the Society of Powder Technology, Japan</i> , <b>2022</b> , 59, 79-82	0.3	
254	Extreme thermal anisotropy in high-aspect-ratio titanium nitride nanostructures for efficient photothermal heating. <i>Nanophotonics</i> , <b>2021</b> , 10, 1487-1494	6.3	3
253	Quantifying photoinduced carriers transport in exciton-polariton coupling of MoS2 monolayers. <i>Npj 2D Materials and Applications</i> , <b>2021</b> , 5,	8.8	2
252	Hydropower generation by transpiration from microporous alumina. <i>Scientific Reports</i> , <b>2021</b> , 11, 10954	4.9	2
251	Simultaneous harvesting of radiative cooling and solar heating for transverse thermoelectric generation. <i>Science and Technology of Advanced Materials</i> , <b>2021</b> , 22, 441-448	7.1	2
250	Triggering Water and Methanol Activation for Solar-Driven H <sub>2</sub> Production: Interplay of Dual Active Sites over Plasmonic ZnCu Alloy. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 12145-12153	16.4	22
249	Carbon Dot/Cellulose-Based Transparent Films for Efficient UV and High-Energy Blue Light Screening. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 9879-9890	8.3	4
248	Transparent Hard Coatings with SiON-Encapsulated N-Doped Carbon Dots for Complete UV Blocking and White Light Emission. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 3761-3773	4	2
247	Solar-active titanium-based oxide photocatalysts loaded on TiN array absorbers for enhanced broadband photocurrent generation. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 023103	2.5	2
246	Optical microresonator arrays of fluorescence-switchable diarylethenes with unreplicable spectral fingerprints. <i>Materials Horizons</i> , <b>2020</b> , 7, 1801-1808	14.4	19
245	Graphene-Loaded Plasmonic Zirconium Nitride and Gold Nanogroove Arrays for Surface-Charge Modifications. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 5002-5007	5.6	3
244	Marimo-Bead-Supported Core-Shell Nanocomposites of Titanium Nitride and Chromium-Doped Titanium Dioxide as a Highly Efficient Water-Floatable Green Photocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31327-31339	9.5	13
243	Ultrafast optical modulation of Dirac electrons in gated single-layer graphene. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	4
242	Optical phase change in bismuth through structural distortions induced by laser irradiation. <i>Radiation Effects and Defects in Solids</i> , <b>2020</b> , 175, 291-306	0.9	
241	Enhanced photocurrent generation from indium-tin-oxide/Fe <sub>2</sub> TiO <sub>5</sub> hybrid nanocone arrays. <i>Nano Energy</i> , <b>2020</b> , 76, 104965	17.1	4

240	Radiative cooling for continuous thermoelectric power generation in day and night. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 013901	3.4	26
239	Narrow-Band Thermal Emitter with Titanium Nitride Thin Film Demonstrating High Temperature Stability. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1900982	8.1	14
238	Dual roles of a transparent polymer film containing dispersed N-doped carbon dots: A high-efficiency blue light converter and UV screen. <i>Applied Surface Science</i> , <b>2020</b> , 510, 145405	6.7	16
237	Epitaxial growth mechanism of high-crystallinity lanthanum hexaboride (001) thin films on silicon (001) by electron beam deposition. <i>Applied Physics Express</i> , <b>2020</b> , 13, 055504	2.4	2
236	Effects of Ag particle geometry on photocatalytic performance of Ag/TiO <sub>2</sub> /reduced graphene oxide ternary systems. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 240, 122216	4.4	5
235	Direct Observation of Photoinduced Charge Separation at Transition-Metal Nitride-Semiconductor Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 56562-56567	9.5	5
234	Device Architecture for Visible and Near-Infrared Photodetectors Based on Two-Dimensional SnSe and MoS: A Review. <i>Micromachines</i> , <b>2020</b> , 11,	3.3	9
233	Ultrafast carrier generation in Bi <sub>1-x</sub> Sb <sub>x</sub> thin films induced by intense monocycle terahertz pulses. <i>EPJ Web of Conferences</i> , <b>2019</b> , 205, 04016	0.3	
232	Thermochromic vanadium dioxide film on textured silica substrate for smart window with enhanced visible transmittance and tunable infrared radiation. <i>Infrared Physics and Technology</i> , <b>2019</b> , 102, 103019	2.7	5
231	Optical Properties of Au-based and Pt-based Alloys for Infrared Device Applications: A Combined First Principle and Electromagnetic Simulation Study. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	6
230	Ultranarrow-Band Wavelength-Selective Thermal Emission with Aperiodic Multilayered Metamaterials Designed by Bayesian Optimization. <i>ACS Central Science</i> , <b>2019</b> , 5, 319-326	16.8	64
229	Structure and optical properties of sputter deposited pseudobrookite Fe <sub>2</sub> TiO <sub>5</sub> thin films. <i>CrystEngComm</i> , <b>2019</b> , 21, 34-40	3.3	17
228	Optoelectronic characteristics of the Ag-doped Si p-n photodiodes prepared by a facile thermal diffusion process. <i>AIP Advances</i> , <b>2019</b> , 9, 055024	1.5	4
227	Laser-induced structural disordering and optical phase change in semimetal bismuth observed by Raman microscopy. <i>Applied Surface Science</i> , <b>2019</b> , 491, 675-681	6.7	8
226	Sub-Band Gap Photodetection from the Titanium Nitride/Germanium Heterostructure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 21965-21972	9.5	20
225	Dual-band in situ molecular spectroscopy using single-sized Al-disk perfect absorbers. <i>Nanoscale</i> , <b>2019</b> , 11, 9508-9517	7.7	10
224	Photocurrent Enhancements of TiO <sub>2</sub> -Based Nanocomposites with Gold Nanostructures/Reduced Graphene Oxide on Nanobranched Substrate. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 21103-21113	3.8	22
223	Unconventional energy transfer from narrow to broad luminescent wide band gap materials. <i>Europhysics Letters</i> , <b>2019</b> , 127, 17003	1.6	1

222	High quality thermochromic VO <sub>2</sub> films prepared by magnetron sputtering using V <sub>2</sub> O <sub>5</sub> target with in situ annealing. <i>Applied Surface Science</i> , <b>2019</b> , 495, 143436	6.7	24
221	Dark-Field Scattering and Local SERS Mapping from Plasmonic Aluminum Bowtie Antenna Array. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	5
220	A MEMS-Based Quad-Wavelength Hybrid Plasmonic-Pyroelectric Infrared Detector. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	6
219	MEMS-Based Wavelength-Selective Bolometers. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	13
218	An On-Chip Quad-Wavelength Pyroelectric Sensor for Spectroscopic Infrared Sensing. <i>Advanced Science</i> , <b>2019</b> , 6, 1900579	13.6	20
217	Gires-Tournois resonators as ultra-narrowband perfect absorbers for infrared spectroscopic devices. <i>Optics Express</i> , <b>2019</b> , 27, A725-A737	3.3	4
216	Selective thermal emitters with infrared plasmonic indium tin oxide working in the atmosphere. <i>Optical Materials Express</i> , <b>2019</b> , 9, 2534	2.6	12
215	Optical Excitation of Hot Carriers and Photothermal Conversions with Transition Metal Nitrides and Transition Metal Carbides. <i>The Review of Laser Engineering</i> , <b>2019</b> , 47, 365	0	
214	Nanoantenna Structure with Mid-Infrared Plasmonic Niobium-Doped Titanium Oxide. <i>Micromachines</i> , <b>2019</b> , 11,	3.3	3
213	Photo-assisted methanol synthesis via CO <sub>2</sub> reduction under ambient pressure over plasmonic Cu/ZnO catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 250, 10-16	21.8	71
212	Terahertz Faraday and Kerr rotation spectroscopy of Bi <sub>1-x</sub> Sb <sub>x</sub> films in high magnetic fields up to 30 tesla. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	8
211	All-Ceramic Solar-Driven Water Purifier Based on Anodized Aluminum Oxide and Plasmonic Titanium Nitride. <i>Advanced Sustainable Systems</i> , <b>2019</b> , 3, 1800112	5.9	38
210	Nonmetallic Materials for Plasmonic Hot Carrier Excitation. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1800603	3.1	32
209	Light-promoted conversion of greenhouse gases over plasmonic metal-carbide nanocomposite catalysts. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 580-584	7.8	16
208	Efficient Absorption of Sunlight Using Resonant Nanoparticles for Solar Heat Applications <b>2018</b> , 241-253		2
207	Enhanced Solar Light Absorption and Photoelectrochemical Conversion Using TiN Nanoparticle-Incorporated CN-C Dot Sheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 2460-2468	8.5	46
206	Fabrication of Highly Metallic TiN Films by Pulsed Laser Deposition Method for Plasmonic Applications. <i>ACS Photonics</i> , <b>2018</b> , 5, 814-819	6.3	39
205	Broadband Plasmon Resonance Enhanced Third-Order Optical Nonlinearity in Refractory Titanium Nitride Nanostructures. <i>ACS Photonics</i> , <b>2018</b> , 5, 3452-3458	6.3	26

204	Ultra-Narrowband Wavelength-Selective Thermal Emitter Designed by Bayesian Optimization. <i>The Proceedings of the Thermal Engineering Conference</i> , <b>2018</b> , 2018, 0135	0	
203	Light-Enhanced Carbon Dioxide Activation and Conversion by Effective Plasmonic Coupling Effect of Pt and Au Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 408-416	9.5	118
202	FRET-mediated near infrared whispering gallery modes: studies on the relevance of intracavity energy transfer with Q-factors. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 270-274	7.8	20
201	Harvesting Sunlight with Titanium Nitride Nanostructures <b>2018</b> ,		1
200	Role of Gap Size and Gap Density of the Plasmonic Random Gold Nanoisland Ensemble for Surface-Enhanced Raman Spectroscopy. <i>Materials Transactions</i> , <b>2018</b> , 59, 1081-1086	1.3	1
199	Demonstration of temperature-plateau superheated liquid by photothermal conversion of plasmonic titanium nitride nanostructures. <i>Nanoscale</i> , <b>2018</b> , 10, 18451-18456	7.7	18
198	Effect of oxygen annealing on the photoresponse of PbSe thin films fabricated by the pulsed laser deposition method. <i>Radiation Effects and Defects in Solids</i> , <b>2018</b> , 173, 112-117	0.9	6
197	Metal/Conductive Oxide Plasmonic Structures for Surface-Enhanced Infrared Absorption Spectroscopy. <i>Bunseki Kagaku</i> , <b>2018</b> , 67, 81-94	0.2	1
196	A synergistic interaction between isolated Au nanoparticles and oxygen vacancies in an amorphous black TiO <sub>2</sub> nanoporous film: toward enhanced photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12978-12984	13	35
195	PlasmonicPhotonic Hybrid Modes Excited on a Titanium Nitride Nanoparticle Array in the Visible Region. <i>ACS Photonics</i> , <b>2017</b> , 4, 815-822	6.3	23
194	Resonant Optical Absorption and Photothermal Process in High Refractive Index Germanium Nanoparticles. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1600902	8.1	23
193	Mid-infrared optical and electrical properties of indium tin oxide films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2017</b> , 214, 1600467	1.6	11
192	Light assisted CO <sub>2</sub> reduction with methane over SiO <sub>2</sub> encapsulated Ni nanocatalysts for boosted activity and stability. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10567-10573	13	48
191	Protein-Functionalized Indium-Tin Oxide Nanoantenna Arrays for Selective Infrared Biosensing. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700091	8.1	17
190	White Light Emission from Black Germanium. <i>ACS Photonics</i> , <b>2017</b> , 4, 1722-1729	6.3	8
189	Tunable Nanoantennas for Surface Enhanced Infrared Absorption Spectroscopy by Colloidal Lithography and Post-Fabrication Etching. <i>Scientific Reports</i> , <b>2017</b> , 7, 44069	4.9	25
188	Light assisted CO <sub>2</sub> reduction with methane over group VIII metals: Universality of metal localized surface plasmon resonance in reactant activation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 209, 183-189	21.8	81
187	Far-field and near-field monitoring of hybridized optical modes from Au nanoprisms suspended on a graphene/Si nanopillar array. <i>Nanoscale</i> , <b>2017</b> , 9, 16950-16959	7.7	9

186	Wavelength-selective spin-current generator using infrared plasmonic metamaterials. <i>APL Photonics</i> , <b>2017</b> , 2, 106103	5.2	10
185	Sub-10 nm, high density titania nanoforests-gold nanoparticles composite for efficient sunlight-driven photocatalysis. <i>Japanese Journal of Applied Physics</i> , <b>2017</b> , 56, 095001	1.4	3
184	All-Ceramic Microfibrous Solar Steam Generator: TiN Plasmonic Nanoparticle-Loaded Transparent Microfibers. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 8523-8528	8.3	68
183	Narrowband Wavelength Selective Thermal Emitters by Confined Tamm Plasmon Polaritons. <i>ACS Photonics</i> , <b>2017</b> , 4, 2212-2219	6.3	104
182	Improvement of smooth surface of RuO <sub>2</sub> bottom electrode on Al <sub>2</sub> O <sub>3</sub> buffer layer and characteristics of RuO <sub>2</sub> /TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> /RuO <sub>2</sub> capacitors. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2017</b> , 35, 061503	2.9	6
181	Photocurrent generation from TiN nanostructures by visible light <b>2017</b> ,		1
180	Plasmonic mesostructures with aligned hotspots on highly oriented mesoporous silica films. <i>Optical Materials Express</i> , <b>2016</b> , 6, 2824	2.6	5
179	Spectrally Selective Mid-Infrared Thermal Emission from Molybdenum Plasmonic Metamaterial Operated up to 1000 °C. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1987-1992	8.1	53
178	Metamaterial-enhanced vibrational absorption spectroscopy for the detection of protein molecules. <i>Scientific Reports</i> , <b>2016</b> , 6, 32123	4.9	48
177	Ensemble of gold-patchy nanoparticles with multiple hot-spots for plasmon-enhanced vibrational spectroscopy <b>2016</b> ,		2
176	Surface-Plasmon-Enhanced Photodriven CO <sub>2</sub> Reduction Catalyzed by Metal-Organic-Framework-Derived Iron Nanoparticles Encapsulated by Ultrathin Carbon Layers. <i>Advanced Materials</i> , <b>2016</b> , 28, 3703-10	24	227
175	Hole Array Perfect Absorbers for Spectrally Selective Midwavelength Infrared Pyroelectric Detectors. <i>ACS Photonics</i> , <b>2016</b> , 3, 1271-1278	6.3	70
174	Synthesis, structural, and electrical characterization of RuO <sub>2</sub> sol-gel spin-coating nano-films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 10791-10797	2.1	11
173	Design of PdAu alloy plasmonic nanoparticles for improved catalytic performance in CO <sub>2</sub> reduction with visible light irradiation. <i>Nano Energy</i> , <b>2016</b> , 26, 398-404	17.1	96
172	Self-assembled polycarbazole microspheres as single-component, white-colour resonant photoemitters. <i>RSC Advances</i> , <b>2016</b> , 6, 52854-52857	3.7	10
171	Color-Tunable Resonant Photoluminescence and Cavity-Mediated Multistep Energy Transfer Cascade. <i>ACS Nano</i> , <b>2016</b> , 10, 7058-63	16.7	58
170	Examining the Performance of Refractory Conductive Ceramics as Plasmonic Materials: A Theoretical Approach. <i>ACS Photonics</i> , <b>2016</b> , 3, 43-50	6.3	96
169	Band engineering of ternary metal nitride system Ti <sub>1-x</sub> Zr <sub>x</sub> N for plasmonic applications. <i>Optical Materials Express</i> , <b>2016</b> , 6, 29	2.6	29

168	Solar water heating and vaporization with silicon nanoparticles at mie resonances. <i>Optical Materials Express</i> , <b>2016</b> , 6, 640	2.6	56
167	Hybridizing Poly(E-caprolactone) and Plasmonic Titanium Nitride Nanoparticles for Broadband Photoresponsive Shape Memory Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 5634-40	9.5	46
166	Titanium Nitride Nanoparticles as Plasmonic Solar Heat Transducers. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 2343-2348	3.8	201
165	Strong coupling between phonon-polaritons and plasmonic nanorods. <i>Optics Express</i> , <b>2016</b> , 24, 25528-25539	3.3	30
164	Tamm plasmon selective thermal emitters. <i>Optics Letters</i> , <b>2016</b> , 41, 4453-4456	3	38
163	Effects of nanoscale morphology and defects in oxide: optoelectronic functions of zinc oxide nanowires. <i>Radiation Effects and Defects in Solids</i> , <b>2016</b> , 171, 22-33	0.9	8
162	Plasmon-mediated photothermal conversion by TiN nanocubes toward CO oxidation under solar light illumination. <i>RSC Advances</i> , <b>2016</b> , 6, 110566-110570	3.7	16
161	Conjugated Polymer Blend Microspheres for Efficient, Long-Range Light Energy Transfer. <i>ACS Nano</i> , <b>2016</b> , 10, 5543-9	16.7	38
160	Hot Electron Excitation from Titanium Nitride Using Visible Light. <i>ACS Photonics</i> , <b>2016</b> , 3, 1552-1557	6.3	74
159	Aluminum infrared plasmonic perfect absorbers for wavelength selective devices <b>2016</b> ,		1
158	Whispering Gallery Resonance from Self-Assembled Microspheres of Highly Fluorescent Isolated Conjugated Polymers. <i>Macromolecules</i> , <b>2015</b> , 48, 3928-3933	5.5	37
157	Fabrication of plasmonic nanopillar arrays based on nanoforming. <i>Microelectronic Engineering</i> , <b>2015</b> , 139, 7-12	2.5	8
156	Insulator-to-Proton-Conductor Transition in a Dense Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6428-31	16.4	61
155	Electrochemical synthesis of mesoporous gold films toward mesospace-stimulated optical properties. <i>Nature Communications</i> , <b>2015</b> , 6, 6608	17.4	151
154	Transparent oxides forming conductor/insulator/conductor heterojunctions for photodetection. <i>Nanotechnology</i> , <b>2015</b> , 26, 215203	3.4	6
153	Anti-reflection textured structures by wet etching and island lithography for surface-enhanced Raman spectroscopy. <i>Applied Surface Science</i> , <b>2015</b> , 357, 615-621	6.7	18
152	Sunlight absorbing titanium nitride nanoparticles <b>2015</b> ,		3
151	Tunable multiband metasurfaces by moiré nanosphere lithography. <i>Nanoscale</i> , <b>2015</b> , 7, 20391-6	7.7	20



150	Selective patterned growth of ZnO nanowires/nanosheets and their photoluminescence properties. <i>Optical Materials Express</i> , <b>2015</b> , 5, 353	2.6	17
149	Active molecular plasmonics: tuning surface plasmon resonances by exploiting molecular dimensions. <i>Nanophotonics</i> , <b>2015</b> , 4, 186-197	6.3	25
148	Effect of different surfactants on structural and optical properties of Ce <sup>3+</sup> and Tb <sup>3+</sup> co-doped BiPO <sub>4</sub> nanostructures. <i>Optical Materials</i> , <b>2015</b> , 39, 110-117	3.3	31
147	Enhanced photocatalytic activity of ultra-high aspect ratio ZnO nanowires due to Cu induced defects. <i>Radiation Effects and Defects in Solids</i> , <b>2015</b> , 170, 939-944	0.9	1
146	Ultrafast phonon dynamics of epitaxial atomic layers of Bi on Si(111). <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	16
145	Plasmon mediated cathodic photocurrent generation in sol-gel synthesized doped SrTiO <sub>3</sub> nanofilms. <i>APL Materials</i> , <b>2015</b> , 3, 116103	5.7	5
144	Terahertz-induced acceleration of massive Dirac electrons in semimetal bismuth. <i>Scientific Reports</i> , <b>2015</b> , 5, 15870	4.9	9
143	Conversion of Carbon Dioxide by Methane Reforming under Visible-Light Irradiation: Surface-Plasmon-Mediated Nonpolar Molecule Activation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11545-9	16.4	129
142	Infrared Aluminum Metamaterial Perfect Absorbers for Plasmon-Enhanced Infrared Spectroscopy. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6637-6643	15.6	107
141	Conversion of Carbon Dioxide by Methane Reforming under Visible-Light Irradiation: Surface-Plasmon-Mediated Nonpolar Molecule Activation. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 11707-11711	3.6	18
140	Excitation Induced Tunable Emission in Ce <sup>3+</sup> /Eu <sup>3+</sup> Codoped BiPO <sub>4</sub> Nanophosphors. <i>Journal of Spectroscopy</i> , <b>2015</b> , 2015, 1-10	1.5	9
139	Infrared Perfect Absorbers Fabricated by Colloidal Mask Etching of Al <sub>2</sub> O <sub>3</sub> /Al Trilayers. <i>ACS Photonics</i> , <b>2015</b> , 2, 964-970	6.3	144
138	MoiréNanosphere Lithography. <i>ACS Nano</i> , <b>2015</b> , 9, 6031-40	16.7	72
137	Plasmon-mediated photocatalytic activity of wet-chemically prepared ZnO nanowire arrays. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 7395-403	3.6	23
136	Terahertz-field-induced nonlinear electron delocalization in Au nanostructures. <i>Nano Letters</i> , <b>2015</b> , 15, 1036-40	11.5	23
135	Nonlinear Carrier Responses in Gold Thin Films Induced by Intense Terahertz Waves. <i>Springer Proceedings in Physics</i> , <b>2015</b> , 626-629	0.2	
134	Nonlinear Carrier Dynamics in Semi-metal Bismuth Induced by Intense Terahertz Field. <i>Springer Proceedings in Physics</i> , <b>2015</b> , 633-636	0.2	
133	Optical properties of ordered Dot-on-Plate nano-sandwich arrays. <i>Microelectronic Engineering</i> , <b>2014</b> , 127, 34-39	2.5	6



132	Effective decoration of Pd nanoparticles on the surface of SnO <sub>2</sub> nanowires for enhancement of CO gas-sensing performance. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 265, 124-32	12.8	105
131	Visible-light photodecomposition of acetaldehyde by TiO <sub>2</sub> -coated gold nanocages: plasmon-mediated hot electron transport via defect states. <i>Chemical Communications</i> , <b>2014</b> , 50, 15553-6	5.8	28
130	Plasmonic Janus-Composite Photocatalyst Comprising Au and TiO <sub>2</sub> for Enhanced Aerobic Oxidation over a Broad Visible-Light Range. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 7754-7762	15.6	75
129	Design of a silicon-based plasmonic optical sensor for magnetic field monitoring in the infrared. <i>Applied Physics B: Lasers and Optics</i> , <b>2014</b> , 117, 363-368	1.9	9
128	Magnetically assembled Ni@Ag urchin-like ensembles with ultra-sharp tips and numerous gaps for SERS applications. <i>Small</i> , <b>2014</b> , 10, 2564-9	11	17
127	Nonlinear electron dynamics of gold ultrathin films induced by intense terahertz waves. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 241107	3.4	3
126	Electron- and photon-induced plasmonic excitations in two-dimensional silver nanostructures. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 251117	3.4	3
125	Monitoring the presence of ionic mercury in environmental water by plasmon-enhanced infrared spectroscopy. <i>Scientific Reports</i> , <b>2013</b> , 3, 1175	4.9	86
124	Arrays of Nanoscale Gold Dishes Containing Engineered Substructures. <i>Advanced Optical Materials</i> , <b>2013</b> , 1, 814-818	8.1	8
123	Chemically synthesized nanowire TiO <sub>2</sub> /ZnO core-shell p-n junction array for high sensitivity ultraviolet photodetector. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 193119	3.4	48
122	Carbon nanotube mat as substrate for ZnO nanotip field emitters. <i>RSC Advances</i> , <b>2012</b> , 2, 2713	3.7	10
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