

Dong Ha Kim

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.

230 papers	12,719 citations	51 h-index	108 g-index
244 ext. papers	14,198 ext. citations	9.3 avg, IF	6.64 L-index

#	Paper	IF	Citations
230	Gap surface plasmon-enhanced photoluminescence from upconversion nanoparticle-sensitized perovskite quantum dots in a metal-insulator-metal configuration under NIR excitation. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 532-541	7.1	1
229	A highly efficient and transparent luminescent solar concentrator based on a nanosized metal cluster luminophore anchored on polymers. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 4402-4410	7.1	2
228	Direct deposition of anatase TiO ₂ on thermally unstable gold nanobipyramid: Morphology-conserved plasmonic nanohybrid for combinational photothermal and photocatalytic cancer therapy. <i>Applied Materials Today</i> , 2022 , 27, 101472	6.6	1
227	Anisotropic Plasmonic Gold Nanorod-Indocyanine Green@Reduced Graphene Oxide-Doxorubicin Nanohybrids for Image-Guided Enhanced Tumor Theranostics.. <i>ACS Omega</i> , 2022 , 7, 15186-15199	3.9	2
226	An Analysis of the Promise of LiO ₂ and LiS Batteries Incorporating Plasmonic Metal Nanostructures. <i>Materials Today Energy</i> , 2022 , 101033	7	
225	Plasmon-Triggered Upconversion Emissions and Hot Carrier Injection for Combinatorial Photothermal and Photodynamic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	1
224	Photoechogenic Inflatable Nanohybrids for Upconversion-Mediated Sonotheranostics. <i>ACS Nano</i> , 2021 ,	16.7	3
223	Spectral Instability of Layered Mixed Halide Perovskites Results from Anion Phase Redistribution and Selective Hole Injection. <i>ACS Nano</i> , 2021 , 15, 1486-1496	16.7	8
222	Photocatalytic and Photoelectrochemical Overall Water Splitting 2021 , 189-242		1
221	Self-Adjuvant Effect by Manipulating the Bionano Interface of Liposome-Based Nanovaccines. <i>Nano Letters</i> , 2021 , 21, 4744-4752	11.5	2
220	Plasmon-Enhanced Electrocatalysis 2021 , 261-293		1
219	Unraveling GLUT-mediated transcytosis pathway of glycosylated nanodisks. <i>Asian Journal of Pharmaceutical Sciences</i> , 2021 , 16, 120-128	9	4
218	The lithium metal anode in LiS batteries: challenges and recent progress. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10012-10038	13	13
217	Block copolymer micelles enable facile synthesis of organic-inorganic perovskite nanostructures with tailored architecture. <i>Chemical Communications</i> , 2021 , 57, 1879-1882	5.8	2
216	Lead-free halide double perovskites: Toward stable and sustainable optoelectronic devices. <i>Materials Today</i> , 2021 ,	21.8	16
215	Sophisticated plasmon-enhanced photo-nanozyme for anti-angiogenic and tumor-microenvironment-responsive combinational photodynamic and photothermal cancer therapy. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 104, 106-106	6.3	1
214	Unprecedentedly high indoor performance (efficiency > 34 %) of perovskite photovoltaics with controlled bromine doping. <i>Nano Energy</i> , 2020 , 75, 104984	17.1	30

213	Mechanistic Study Revealing the Role of the Br ₃ /Br ₂ Redox Couple in CO ₂ -Assisted LiD ₂ Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1903486	21.8	19
212	Retarded Charge Carrier Recombination in Photoelectrochemical Cells from Plasmon-Induced Resonance Energy Transfer. <i>Advanced Energy Materials</i> , 2020 , 10, 2000570	21.8	22
211	Interfacial engineering of a ZnO electron transporting layer using self-assembled monolayers for high performance and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 2105-2113	13	33
210	Interrogation of Folic Acid-Functionalized Nanomedicines: The Regulatory Roles of Plasma Proteins Reexamined. <i>ACS Nano</i> , 2020 , 14, 14779-14789	16.7	26
209	Drag reduction mechanism of Paramisgurnus dabryanus loach with self-lubricating and flexible micro-morphology. <i>Scientific Reports</i> , 2020 , 10, 12873	4.9	5
208	Photo-switchable electron-transporting layers for self-driven perovskite photodetectors towards high detectivity. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16506-16512	7.1	3
207	Integrated Effects of Near-Field Enhancement-Induced Excitation and Surface Plasmon-Coupled Emission of Elongated Gold Nanocrystals on Fluorescence Enhancement and the Applications in PLEDs. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 2116-2123	4	10
206	Solution-Processed PEDOT:PSS/MoS Nanocomposites as Efficient Hole-Transporting Layers for Organic Solar Cells. <i>Nanomaterials</i> , 2019 , 9,	5.4	11
205	From CO methanation to ambitious long-chain hydrocarbons: alternative fuels paving the path to sustainability. <i>Chemical Society Reviews</i> , 2019 , 48, 205-259	58.5	131
204	Arising synergetic and antagonistic effects in the design of Ni- and Ru-based water splitting electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 639-646	13	20
203	Plasmonic Nanoparticles: Plasmon-Enhanced Electrocatalytic Properties of Rationally Designed Hybrid Nanostructures at a Catalytic Interface (Adv. Mater. Interfaces 2/2019). <i>Advanced Materials Interfaces</i> , 2019 , 6, 1970011	4.6	
202	Investigation of LiD ₂ Battery Performance Integrated with RuO ₂ Inverse Opal Cathodes in DMSO. <i>ACS Applied Energy Materials</i> , 2019 , 2, 5109-5115	6.1	6
201	Plasmon and Upconversion Mediated Broadband Spectral Response in TiO ₂ Inverse Opal Photocatalysts for Enhanced Photoelectrochemical Water Splitting. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3780-3790	6.1	16
200	Polyethylenimine ethoxylated interlayer-mediated ZnO interfacial engineering for high-performance and low-temperature processed flexible perovskite solar cells: A simple and viable route for one-step processed CH ₃ NH ₃ PbI ₃ . <i>Journal of Power Sources</i> , 2019 , 438, 226956	8.9	17
199	Enhancing the organic solar cell efficiency by combining plasmonic and Förster Resonance Energy Transfer (FRET) effects. <i>Journal of Power Sources</i> , 2019 , 438, 227031	8.9	4
198	Ultrahigh resolution and color gamut with scattering-reducing transmissive pixels. <i>Nature Communications</i> , 2019 , 10, 4782	17.4	16
197	51.3: Invited Paper: Perovskite Light Emitters via Dimensional and Structural Control. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 568-568	0.5	
196	Towards efficient and stable perovskite solar cells employing non-hygroscopic F4-TCNQ doped TFB as the hole-transporting material. <i>Nanoscale</i> , 2019 , 11, 19586-19594	7.7	22

195	Electrocatalytic glycerol oxidation enabled by surface plasmon polariton-induced hot carriers in Kretschmann configuration. <i>Nanoscale</i> , 2019 , 11, 23234-23240	7.7	2
194	Self-powered reduced-dimensionality perovskite photodiodes with controlled crystalline phase and improved stability. <i>Nano Energy</i> , 2019 , 57, 761-770	17.1	31
193	Plasmon-Enhanced Electrocatalytic Properties of Rationally Designed Hybrid Nanostructures at a Catalytic Interface. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801144	4.6	17
192	Fe-N4 complex embedded free-standing carbon fabric catalysts for higher performance ORR both in alkaline & acidic media. <i>Nano Energy</i> , 2019 , 56, 524-530	17.1	56
191	Organic-inorganic hybrid Sn-based perovskite photodetectors with high external quantum efficiencies and wide spectral responses from 300 to 1000 nm. <i>Science China Materials</i> , 2019 , 62, 790-796	7.1	14
190	Post deposition annealing effect on the properties of Al ₂ O ₃ /InP interface. <i>AIP Advances</i> , 2018 , 8, 025211	1.5	0
189	Perovskite/Gold Nanorod Hybrid Photodetector with High Responsivity and Low Driving Voltage. <i>Advanced Optical Materials</i> , 2018 , 6, 1701397	8.1	30
188	Toward an Effective Control of the H ₂ to CO Ratio of Syngas through CO ₂ Electroreduction over Immobilized Gold Nanoparticles on Layered Titanate Nanosheets. <i>ACS Catalysis</i> , 2018 , 8, 4364-4374	13.1	46
187	Viable stretchable plasmonics based on unidirectional nanoprisms. <i>Nanoscale</i> , 2018 , 10, 4105-4112	7.7	13
186	Spatial charge separation on strongly coupled 2D-hybrid of rGO/La ₂ Ti ₂ O ₇ /NiFe-LDH heterostructures for highly efficient noble metal free photocatalytic hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 178-186	21.8	73
185	Perovskite La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O ₃ -sensitized SnO ₂ fiber-in-tube scaffold: highly selective and sensitive formaldehyde sensing. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10543-10551	13	22
184	Experimental investigations on drag-reduction characteristics of bionic surface with water-trapping microstructures of fish scales. <i>Scientific Reports</i> , 2018 , 8, 12186	4.9	22
183	Electrical Properties of Au/n-GaN Schottky Junctions with an Atomic-Layer-Deposited Al ₂ O ₃ Interlayer. <i>Journal of the Korean Physical Society</i> , 2018 , 73, 349-354	0.6	2
182	A simple strategy to achieve shape control of Au-CuS colloidal heterostructured nanocrystals and their preliminary use in organic photovoltaics. <i>Nanoscale</i> , 2018 , 10, 11745-11749	7.7	10
181	Interfacial Properties of Atomic Layer Deposited Al ₂ O ₃ /AlN Bilayer on GaN. <i>Korean Journal of Materials Research</i> , 2018 , 28, 268-272	0.2	1
180	Enhancing Solar Light-Driven Photocatalytic Activity of Mesoporous Carbon/TiO ₂ Hybrid Films via Upconversion Coupling. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1310-1317	8.3	36
179	Plasmonic Hot Carriers Imaging: Promise and Outlook. <i>ACS Photonics</i> , 2018 , 5, 4711-4723	6.3	34
178	Synergistic Nanozymetic Activity of Hybrid Gold Bipyramid-Molybdenum Disulfide Core@Shell Nanostructures for Two-Photon Imaging and Anticancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42068-42076	9.5	39

177	Design, synthesis and biological evaluation of 1,4-Diazobicyclo[3.2.2]nonane derivatives as α -Nicotinic acetylcholine receptor PET/CT imaging agents and agonists for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2018 , 159, 255-266	6.8	6
176	Effects of SnO ₂ layer coated on carbon nanofiber for the methanol oxidation reaction. <i>Ceramics International</i> , 2018 , 44, 19554-19559	5.1	9
175	AgInS-Coated Upconversion Nanoparticle as a Photocatalyst for Near-Infrared Light-Activated Photodynamic Therapy of Cancer Cells.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1628-1638	4.1	10
174	Broadband Absorption Enhancement in Polymer Solar Cells Using Highly Efficient Plasmonic Heterostructured Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30919-30924	9.5	11
173	Plasmon-Mediated Electrocatalysis for Sustainable Energy: From Electrochemical Conversion of Different Feedstocks to Fuel Cell Reactions. <i>ACS Energy Letters</i> , 2018 , 3, 1415-1433	20.1	49
172	Enhancing the Performance of Surface Plasmon Resonance Biosensor via Modulation of Electron Density at the Graphene/Gold Interface. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800433	4.6	10
171	Synergistically enhanced photocatalytic activity of graphitic carbon nitride and WO ₃ nanohybrids mediated by photo-Fenton reaction and H ₂ O ₂ . <i>Applied Catalysis B: Environmental</i> , 2017 , 206, 263-270	21.8	47
170	One-Step All-Solution-Based Au@TiO ₂ Core/Shell Nanosphere Active Layers in Nonvolatile ReRAM Devices. <i>Advanced Functional Materials</i> , 2017 , 27, 1604604	15.6	31
169	Synthesis, biological evaluation, and molecular dynamics (MD) simulation studies of three novel F-18 labeled and focal adhesion kinase (FAK) targeted 5-bromo pyrimidines as radiotracers for tumor. <i>European Journal of Medicinal Chemistry</i> , 2017 , 127, 493-508	6.8	6
168	Enriched photoelectrocatalytic degradation and photoelectric performance of BiOI photoelectrode by coupling rGO. <i>Applied Catalysis B: Environmental</i> , 2017 , 208, 22-34	21.8	156
167	Plasmon-Sensitized Graphene/TiO ₂ Inverse Opal Nanostructures with Enhanced Charge Collection Efficiency for Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7075-7083	9.5	108
166	Initial evaluation of Tc-tricarbonyl-cyclopentadienyl fatty acids derivatives as SPECT tracers for myocardium. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017 , 60, 250-262	1.9	5
165	Molecular overlap with optical near-fields based on plasmonic nanolithography for ultrasensitive label-free detection by light-matter colocalization. <i>Biosensors and Bioelectronics</i> , 2017 , 96, 89-98	11.8	11
164	Tailoring the Energy Landscape in Quasi-2D Halide Perovskites Enables Efficient Green-Light Emission. <i>Nano Letters</i> , 2017 , 17, 3701-3709	11.5	309
163	Graphene Oxide Shells on Plasmonic Nanostructures Lead to High-Performance Photovoltaics: A Model Study Based on Dye-Sensitized Solar Cells. <i>ACS Energy Letters</i> , 2017 , 2, 117-123	20.1	16
162	PtFe nanoparticles supported on electroactive Au@ANI core@shell nanoparticles for high performance bifunctional electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13692-13699	13	24
161	Hierarchically self-assembled ZnO architectures: Establishing light trapping networks for effective photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15126-15139	6.7	24
160	Metal/nonpolar m-plane ZnO contacts with and without thin Al ₂ O ₃ interlayer deposited by atomic layer deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 14974-14980	2.1	

159	Distance and Location-Dependent Surface Plasmon Resonance-Enhanced Photoluminescence in Tailored Nanostructures 2017 , 179-195		
158	Flexible Nonvolatile Transistor Memory with Solution-Processed Transition Metal Dichalcogenides. <i>Small</i> , 2017 , 13, 1603971	11	43
157	Composite hollow nanostructures composed of carbon-coated Ti3+ self-doped TiO2-reduced graphene oxide as an efficient electrocatalyst for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7072-7080	13	48
156	Upconversion-Triggered Charge Separation in Polymer Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 364-369	6.4	11
155	High-Performance UV-Vis-NIR Phototransistors Based on Single-Crystalline Organic Semiconductor-Gold Hybrid Nanomaterials. <i>Advanced Functional Materials</i> , 2017 , 27, 1604528	15.6	65
154	Plasmon-mediated wavelength-selective enhanced photoresponse in polymer photodetectors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 399-407	7.1	20
153	Optimization of coupled plasmonic effects for viable phosphorescence of metal-free purely organic phosphor. <i>Journal of Applied Physics</i> , 2017 , 122, 153103	2.5	7
152	High-Performance Flexible Photodetectors based on High-Quality Perovskite Thin Films by a Vapor-Solution Method. <i>Advanced Materials</i> , 2017 , 29, 1703256	24	96
151	Enhanced Stability and Electrochemical Performance of Carbon-Coated Ti3+ Self-Doped TiO2-Reduced Graphene Oxide Hollow Nanostructure-Supported Pt-Catalyzed Fuel Cell Electrodes. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700564	4.6	9
150	Surface engineering of the electron collecting layers for high performance organic photovoltaic cells. <i>Current Applied Physics</i> , 2017 , 17, 1476-1482	2.6	1
149	Hierarchical Porous Carbonized Co3O4 Inverse Opals via Combined Block Copolymer and Colloid Templating as Bifunctional Electrocatalysts in LiO2 Battery. <i>Advanced Energy Materials</i> , 2017 , 7, 1700391	21.8	61
148	Perovskite-based photodetectors: materials and devices. <i>Chemical Society Reviews</i> , 2017 , 46, 5204-5236	58.5	498
147	Tuning electrical properties of Au/n-InP junctions by inserting atomic layer deposited Al2O3 layer. <i>Vacuum</i> , 2017 , 144, 256-260	3.7	1
146	Interfacial and electrical properties of Al2O3/GaN metal/oxide semiconductor junctions with ultrathin AlN layer. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	6
145	Generating Color from Polydisperse, Near Micron-Sized TiO Particles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23941-23948	9.5	14
144	Triboelectric charge generation by semiconducting SnO2 film grown by atomic layer deposition. <i>Electronic Materials Letters</i> , 2017 , 13, 318-323	2.9	2
143	Synthesis and biological evaluation of fatty acid derivatives for myocardial imaging containing [99mTc(CO)3]+. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017 , 312, 543-555	1.5	3
142	Periodically ordered inverse opal TiO2/polyaniline core/shell design for electrochemical energy storage applications. <i>Journal of Alloys and Compounds</i> , 2017 , 694, 111-118	5.7	20

141	Carbon nanotube-grafted inverse opal nanostructures. <i>Optical Materials Express</i> , 2017 , 7, 2242	2.6	2
140	Near-infrared light-responsive nanomaterials for cancer theranostics. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016 , 8, 23-45	9.2	95
139	Divalent Fe Atom Coordination in Two-Dimensional Microporous Graphitic Carbon Nitride. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25438-43	9.5	46
138	Highly Efficient Perovskite-Quantum-Dot Light-Emitting Diodes by Surface Engineering. <i>Advanced Materials</i> , 2016 , 28, 8718-8725	24	700
137	Synthesis and biodistribution of novel dipicolylamine ^{99m} Tc-(CO) ₃ -labeled fatty acid derivatives for myocardial imaging. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 310, 1181-1194	1.5	5
136	Toward high efficiency organic photovoltaic devices with enhanced thermal stability utilizing P3HT-b-P3PHT block copolymer additives. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18432-18443	13	26
135	Plasmonic Periodic Nanodot Arrays via Laser Interference Lithography for Organic Photovoltaic Cells with >10% Efficiency. <i>ACS Nano</i> , 2016 , 10, 10143-10151	16.7	31
134	A mechanistic study on graphene-based nonvolatile ReRAM devices. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 11007-11031	7.1	23
133	Perovskite energy funnels for efficient light-emitting diodes. <i>Nature Nanotechnology</i> , 2016 , 11, 872-877	28.7	1484
132	Synthesis and bio-evaluation of Tc-99 m-labeled fatty acid derivatives for myocardial metabolism imaging. <i>Applied Organometallic Chemistry</i> , 2016 , 30, 596-604	3.1	3
131	Gold-based hybrid nanomaterials for biosensing and molecular diagnostic applications. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 543-559	11.8	65
130	Ligand-Stabilized Reduced-Dimensionality Perovskites. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2649-55	16.4	889
129	Plasmonic Solar Cells: From Rational Design to Mechanism Overview. <i>Chemical Reviews</i> , 2016 , 116, 14982-15034	28.1	150
128	A cyanine-based colorimetric and fluorescent probe for highly selective sensing and bioimaging of phosphate ions. <i>Dyes and Pigments</i> , 2016 , 133, 127-131	4.6	18
127	Layer-by-Layer Self-Assembled Graphene Multilayers as Pt-Free Alternative Counter Electrodes in Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 11488-98	9.5	20
126	Layer-by-layer self-assembly of bisdendrons: An unprecedented route to multilayer thin films. <i>Macromolecular Research</i> , 2016 , 24, 851-855	1.9	3
125	Reduced graphene oxide wrapped core-shell metal nanowires as promising flexible transparent conductive electrodes with enhanced stability. <i>Nanoscale</i> , 2016 , 8, 18938-18944	7.7	25
124	Non-Volatile ReRAM Devices Based on Self-Assembled Multilayers of Modified Graphene Oxide 2D Nanosheets. <i>Small</i> , 2016 , 12, 6167-6174	11	37

123	Systematic study on the sensitivity enhancement in graphene plasmonic sensors based on layer-by-layer self-assembled graphene oxide multilayers and their reduced analogues. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 144-51	9.5	51
122	Coumarin-based turn-on fluorescence probes for highly selective detection of Pi in cell culture and <i>Caenorhabditis elegans</i> . <i>Dyes and Pigments</i> , 2015 , 120, 293-298	4.6	17
121	Perovskite-fullerene hybrid materials suppress hysteresis in planar diodes. <i>Nature Communications</i> , 2015 , 6, 7081	17.4	815
120	A two-step route to planar perovskite cells exhibiting reduced hysteresis. <i>Applied Physics Letters</i> , 2015 , 106, 143902	3.4	74
119	Multi-layered nanocomposite dielectrics for high density organic memory devices. <i>Applied Physics Letters</i> , 2015 , 106, 043302	3.4	8
118	Comprehensive Study on the Controlled Plasmon-Enhanced Photocatalytic Activity of Hybrid Au/ZnO Systems Mediated by Thermoresponsive Polymer Linkers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21073-81	9.5	27
117	N-doped mesoporous inverse opal structures for visible-light photocatalysts. <i>RSC Advances</i> , 2015 , 5, 77716-77722	3.7	12
116	Spin-coated Ag nanoparticles onto ITO substrates for efficient improvement of polymer solar cell performance. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1319-1324	7.1	10
115	LSPR Coupling: In Situ Studies of Surface-Plasmon-Resonance-Coupling Sensor Mediated by Stimuli-Sensitive Polymer Linker (Adv. Funct. Mater. 43/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 6823-6823	15.6	1
114	In Situ Studies of Surface-Plasmon-Resonance-Coupling Sensor Mediated by Stimuli-Sensitive Polymer Linker. <i>Advanced Functional Materials</i> , 2015 , 25, 6716-6724	15.6	21
113	Development of a Remote Monitoring System for Henhouse Environment Based on IoT Technology. <i>Future Internet</i> , 2015 , 7, 329-341	3.3	23
112	Preparation, optical property and field-effect mobility investigation of stable white-emissive doped organic crystal. <i>CrystEngComm</i> , 2015 , 17, 2168-2175	3.3	10
111	Nanostructured Carbon-TiO ₂ Shells Onto Silica Beads as a Promising Candidate for the Alternative Photoanode in Dye-Sensitized Solar Cells. <i>Science of Advanced Materials</i> , 2015 , 7, 956-963	2.3	7
110	Surface plasmon resonance mediated photoluminescence properties of nanostructured multicomponent fluorophore systems. <i>Nanoscale</i> , 2014 , 6, 4966-84	7.7	79
109	Sulfur-doped graphene as a potential alternative metal-free electrocatalyst and Pt-catalyst supporting material for oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 103-9	3.6	185
108	ZnO nanorods/Pt and ZnO nanorods/Ag heteronanostructure arrays with enhanced photocatalytic degradation of dyes. <i>RSC Advances</i> , 2014 , 4, 59009-59016	3.7	27
107	Soft-template-carbonization route to highly textured mesoporous carbon-TiO ₂ inverse opals for efficient photocatalytic and photoelectrochemical applications. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 9023-30	3.6	51
106	Plasmonic dye-sensitized solar cells incorporated with Au-TiO ₂ nanostructures with tailored configurations. <i>Nanoscale</i> , 2014 , 6, 1823-32	7.7	94

105	Periodic layered inverse micelle multilayers with tunable photonic band gap: fabrication and application in dye-sensitized solar cells. <i>Nanoscale</i> , 2014 , 6, 4204-10	7.7	6
104	Mesoporous carbon-TiO ₂ beads with nanotextured surfaces as photoanodes in dye-sensitized solar cells. <i>ChemSusChem</i> , 2014 , 7, 2590-6	8.3	19
103	Revolutionizing the FRET-based light emission in core-shell nanostructures via comprehensive activity of surface plasmons. <i>Scientific Reports</i> , 2014 , 4, 4735	4.9	38
102	Effect of coupled graphene oxide on the sensitivity of surface plasmon resonance detection. <i>Applied Optics</i> , 2014 , 53, 1419-26	1.7	13
101	Quantitative methylation level of the EPHX1 promoter in peripheral blood DNA is associated with polycystic ovary syndrome. <i>PLoS ONE</i> , 2014 , 9, e88013	3.7	23
100	A study on the mechanism for the interaction of light with noble metal-metal oxide semiconductor nanostructures for various photophysical applications. <i>Chemical Society Reviews</i> , 2013 , 42, 8467-93	58.5	439
99	Carbohydrate-Derived Carbon Sheaths on TiO ₂ Nanoparticle Photoanodes for Efficiency Enhancement in Dye-Sensitized Solar Cells. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 1030-1033	31.7	7
98	Visible Light Photo-oxidation in Au Nanoparticle Sensitized SrTiO ₃ :Nb Photoanode. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15532-15539	3.8	21
97	Configuration-controlled Au nanocluster arrays on inverse micelle nano-patterns: versatile platforms for SERS and SPR sensors. <i>Nanoscale</i> , 2013 , 5, 12261-71	7.7	38
96	A soft-template-conversion route to fabricate nanopatterned hybrid Pt/carbon for potential use in counter electrodes of dye-sensitized solar cells. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1487-92	4.8	5
95	A simple and efficient strategy for the sensitivity enhancement of DNA hybridization based on the coupling between propagating and localized surface plasmons. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 1074-1080	8.5	4
94	Carbon-deposited TiO ₂ 3D inverse opal photocatalysts: visible-light photocatalytic activity and enhanced activity in a viscous solution. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 12526-32	9.5	63
93	Visible light active photocatalysis on block copolymer induced strings of ZnO nanoparticles doped with carbon. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 898-905	13	67
92	Enhanced photocatalytic activity of C, F-codoped TiO ₂ loaded with AgCl. <i>Journal of Alloys and Compounds</i> , 2013 , 560, 20-26	5.7	50
91	Nanostructured metal/carbon hybrids for electrocatalysis by direct carbonization of inverse micelle multilayers. <i>ACS Nano</i> , 2013 , 7, 1573-82	16.7	10
90	Solar Cells: Carbohydrate-Derived Carbon Sheaths on TiO ₂ Nanoparticle Photoanodes for Efficiency Enhancement in Dye-Sensitized Solar Cells (Part. Part. Syst. Charact. 12/2013). <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 1106-1106	3.1	
89	Control over the Au@Ag Core-shell Nanoparticle 2D Patterns via Diblock Copolymer Inverse Micelle Templates and Investigation of the Surface Plasmon Based Optical Property. <i>Journal of the Korean Chemical Society</i> , 2013 , 57, 618-624		
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