

Dong Ha Kim

List of Publications by Year in descending order

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236
papers

15,612
citations

28274

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all docs

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docs citations

244
times ranked

20715
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.5	9
2	Revisiting Solvent-Dependent Roles of the Electrolyte Counteranion in LiO_2 Batteries upon CO_2 Incorporation. <i>ACS Applied Energy Materials</i> , 2022, 5, 2150-2160.	5.1	4
3	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.	5.5	8
4	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.	4.3	3
5	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.	3.5	6
6	In-plane optical and electrical anisotropy in low-symmetry layered GeS microribbons. <i>NPG Asia Materials</i> , 2022, 14, .	7.9	5
7	An analysis of the promise of LiO_2 and LiS batteries incorporating plasmonic metal nanostructures. <i>Materials Today Energy</i> , 2022, 27, 101033.	4.7	1
8	Practicality assessment: Temperature-governed performance of CO_2 -containing LiO_2 batteries. <i>Chemical Engineering Journal</i> , 2022, 449, 137744.	12.7	1
9	Narrowing the Phase Distribution of Quasi-2D Perovskites for Stable Deep-Blue Electroluminescence. <i>Advanced Science</i> , 2022, 9, .	11.2	22
10	Unraveling GLUT-mediated transcytosis pathway of glycosylated nanodisks. <i>Asian Journal of Pharmaceutical Sciences</i> , 2021, 16, 120-128.	9.1	10
11	The lithium metal anode in LiS batteries: challenges and recent progress. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10012-10038.	10.3	45
12	Block copolymer micelles enable facile synthesis of organic-inorganic perovskite nanostructures with tailored architecture. <i>Chemical Communications</i> , 2021, 57, 1879-1882.	4.1	4
13	Lead-free halide double perovskites: Toward stable and sustainable optoelectronic devices. <i>Materials Today</i> , 2021, 49, 123-144.	14.2	57
14	Self-Adjuvant Effect by Manipulating the Bionano Interface of Liposome-Based Nanovaccines. <i>Nano Letters</i> , 2021, 21, 4744-4752.	9.1	17
15	Sophisticated plasmon-enhanced photo-nanozyme for anti-angiogenic and tumor-microenvironment-responsive combinatorial photodynamic and photothermal cancer therapy. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 104, 106-106.	5.8	8
16	Spectral Instability of Layered Mixed Halide Perovskites Results from Anion Phase Redistribution and Selective Hole Injection. <i>ACS Nano</i> , 2021, 15, 1486-1496.	14.6	18
17	Photochogenic Inflatable Nanohybrids for Upconversion-Mediated Sonotheranostics. <i>ACS Nano</i> , 2021, 15, 18394-18402.	14.6	8
18	Plasmon-Triggered Upconversion Emissions and Hot Carrier Injection for Combinatorial Photothermal and Photodynamic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58422-58433.	8.0	19

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19	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.	10.3	67
20	Interrogation of Folic Acid-Functionalized Nanomedicines: The Regulatory Roles of Plasma Proteins Reexamined. <i>ACS Nano</i> , 2020, 14, 14779-14789.	14.6	63
21	Drag reduction mechanism of <i>Paramisgurnus dabryanus</i> loach with self-lubricating and flexible micro-morphology. <i>Scientific Reports</i> , 2020, 10, 12873.	3.3	13
22	Photo-switchable electron-transporting layers for self-driven perovskite photodetectors towards high detectivity. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16506-16512.	5.5	10
23	Unprecedentedly high indoor performance (efficiency > 34 %) of perovskite photovoltaics with controlled bromine doping. <i>Nano Energy</i> , 2020, 75, 104984.	16.0	55
24	Mechanistic Study Revealing the Role of the Br ₃ ⁻ /Br ₂ Redox Couple in CO ₂ -Assisted Li ⁺ O ₂ Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1903486.	19.5	29
25	Retarded Charge-Carrier Recombination in Photoelectrochemical Cells from Plasmon-Induced Resonance Energy Transfer. <i>Advanced Energy Materials</i> , 2020, 10, 2000570.	19.5	40
26	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.	7.8	22
27	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.	7.8	4
28	Ultrahigh resolution and color gamut with scattering-reducing transmissive pixels. <i>Nature Communications</i> , 2019, 10, 4782.	12.8	29
29	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.	0.3	0
30	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.	4.3	21
31	Solution-Processed PEDOT:PSS/MoS ₂ Nanocomposites as Efficient Hole-Transporting Layers for Organic Solar Cells. <i>Nanomaterials</i> , 2019, 9, 1328.	4.1	23
32	From CO ₂ methanation to ambitious long-chain hydrocarbons: alternative fuels paving the path to sustainability. <i>Chemical Society Reviews</i> , 2019, 48, 205-259.	38.1	205
33	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.	10.3	23
34	Plasmonic Nanoparticles: Plasmon-Enhanced Electrocatalytic Properties of Rationally Designed Hybrid Nanostructures at a Catalytic Interface (<i>Adv. Mater. Interfaces</i> 2/2019). <i>Advanced Materials Interfaces</i> , 2019, 6, 1970011.	3.7	0
35	Investigation of Li ⁺ O ₂ Battery Performance Integrated with RuO ₂ Inverse Opal Cathodes in DMSO. <i>ACS Applied Energy Materials</i> , 2019, 2, 5109-5115.	5.1	10
36	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.	5.1	28

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37	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.	5.6	26
38	Electrocatalytic glycerol oxidation enabled by surface plasmon polariton-induced hot carriers in Kretschmann configuration. <i>Nanoscale</i> , 2019, 11, 23234-23240.	5.6	5
39	Self-powered reduced-dimensionality perovskite photodiodes with controlled crystalline phase and improved stability. <i>Nano Energy</i> , 2019, 57, 761-770.	16.0	43
40	Plasmon-Enhanced Electrocatalytic Properties of Rationally Designed Hybrid Nanostructures at a Catalytic Interface. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801144.	3.7	24
41	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.	16.0	88
42	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.	6.3	23
43	Post deposition annealing effect on the properties of Al ₂ O ₃ /InP interface. <i>AIP Advances</i> , 2018, 8, 025211.	1.3	1
44	Perovskite-Gold Nanorod Hybrid Photodetector with High Responsivity and Low Driving Voltage. <i>Advanced Optical Materials</i> , 2018, 6, 1701397.	7.3	36
45	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.	11.2	69
46	Viable stretchable plasmonics based on unidirectional nanoprisms. <i>Nanoscale</i> , 2018, 10, 4105-4112.	5.6	16
47	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.	6.7	46
48	Plasmonic Hot Carriers Imaging: Promise and Outlook. <i>ACS Photonics</i> , 2018, 5, 4711-4723.	6.6	46
49	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.	8.0	53
50	Design, synthesis and biological evaluation of 1,4-Diazobicyclo[3.2.2]nonane derivatives as \pm 7-Nicotinic acetylcholine receptor PET/CT imaging agents and agonists for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2018, 159, 255-266.	5.5	12
51	Effects of SnO ₂ layer coated on carbon nanofiber for the methanol oxidation reaction. <i>Ceramics International</i> , 2018, 44, 19554-19559.	4.8	14
52	AgInS ₂ -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.	4.6	15
53	Broadband Absorption Enhancement in Polymer Solar Cells Using Highly Efficient Plasmonic Heterostructured Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30919-30924.	8.0	16
54	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.	17.4	62

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55	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.	3.7	23
56	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.	20.2	112
57	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.	10.3	29
58	Experimental investigations on drag-reduction characteristics of bionic surface with water-trapping microstructures of fish scales. <i>Scientific Reports</i> , 2018, 8, 12186.	3.3	35
59	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.	0.7	2
60	A simple strategy to achieve shape control of Au-Cu ₂ S colloidal heterostructured nanocrystals and their preliminary use in organic photovoltaics. <i>Nanoscale</i> , 2018, 10, 11745-11749.	5.6	12
61	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
62	Synergistically enhanced photocatalytic activity of graphitic carbon nitride and WO ₃ nano hybrids mediated by photo-Fenton reaction and H ₂ O ₂ . <i>Applied Catalysis B: Environmental</i> , 2017, 206, 263-270.	20.2	65
63	One-Step All-Solution-Based Au-GO Core-Shell Nanosphere Active Layers in Nonvolatile ReRAM Devices. <i>Advanced Functional Materials</i> , 2017, 27, 1604604.	14.9	40
64	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.	5.5	7
65	Enriched photoelectrocatalytic degradation and photoelectric performance of BiOI photoelectrode by coupling rGO. <i>Applied Catalysis B: Environmental</i> , 2017, 208, 22-34.	20.2	188
66	Memory Devices: One-Step All-Solution-Based Au-GO Core-Shell Nanosphere Active Layers in Nonvolatile ReRAM Devices (<i>Adv. Funct. Mater.</i> 10/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	0
67	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.	8.0	121
68	Phototransistors: High-Performance UV-Vis-NIR Phototransistors Based on Single-Crystalline Organic Semiconductor-Gold Hybrid Nanomaterials (<i>Adv. Funct. Mater.</i> 6/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	0
69	Initial evaluation of ^{99m} Tc-tricarbonyl-cyclopentadienyl fatty acids derivatives as SPECT tracers for myocardium. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 250-262.	1.0	5
70	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.	10.1	20
71	Tailoring the Energy Landscape in Quasi-2D Halide Perovskites Enables Efficient Green-Light Emission. <i>Nano Letters</i> , 2017, 17, 3701-3709.	9.1	409
72	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.	17.4	17

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73	PtFe nanoparticles supported on electroactive Au@PANI core@shell nanoparticles for high performance bifunctional electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13692-13699.	10.3	29
74	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.	7.1	29
75	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.	2.2	0
76	Flexible Nonvolatile Transistor Memory with Solution-Processed Transition Metal Dichalcogenides. <i>Small</i> , 2017, 13, 1603971.	10.0	49
77	Composite hollow nanostructures composed of carbon-coated Ti ³⁺ -self-doped TiO ₂ -reduced graphene oxide as an efficient electrocatalyst for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7072-7080.	10.3	61
78	Upconversion-Triggered Charge Separation in Polymer Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 364-369.	4.6	11
79	High-Performance UV-Vis-NIR Phototransistors Based on Single-Crystalline Organic Semiconductor-Gold Hybrid Nanomaterials. <i>Advanced Functional Materials</i> , 2017, 27, 1604528.	14.9	79
80	Plasmon-mediated wavelength-selective enhanced photoresponse in polymer photodetectors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 399-407.	5.5	23
81	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	8
82	High-Performance Flexible Photodetectors based on High-Quality Perovskite Thin Films by a Vapor-Solution Method. <i>Advanced Materials</i> , 2017, 29, 1703256.	21.0	121
83	Enhanced Stability and Electrochemical Performance of Carbon-Coated Ti ³⁺ -Self-Doped TiO ₂ -Reduced Graphene Oxide Hollow Nanostructure-Supported Pt-Catalyzed Fuel Cell Electrodes. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700564.	3.7	15
84	Surface engineering of the electron collecting layers for high performance organic photovoltaic cells. <i>Current Applied Physics</i> , 2017, 17, 1476-1482.	2.4	1
85	Hierarchical Porous Carbonized Co ₃ O ₄ Inverse Opals via Combined Block Copolymer and Colloid Templating as Bifunctional Electrocatalysts in Li-O ₂ Battery. <i>Advanced Energy Materials</i> , 2017, 7, 1700391.	19.5	68
86	Perovskite-based photodetectors: materials and devices. <i>Chemical Society Reviews</i> , 2017, 46, 5204-5236.	38.1	709
87	Tuning electrical properties of Au/n-InP junctions by inserting atomic layer deposited Al ₂ O ₃ layer. <i>Vacuum</i> , 2017, 144, 256-260.	3.5	2
88	Interfacial and electrical properties of Al ₂ O ₃ /GaN metal-oxide-semiconductor junctions with ultrathin AlN layer. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	9
89	Generating Color from Polydisperse, Near Micron-Sized TiO ₂ Particles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23941-23948.	8.0	19
90	Triboelectric charge generation by semiconducting SnO ₂ film grown by atomic layer deposition. <i>Electronic Materials Letters</i> , 2017, 13, 318-323.	2.2	6

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91	Synthesis and biological evaluation of fatty acid derivatives for myocardial imaging containing $[^{99m}\text{Tc}(\text{CO})_3]^+$. Journal of Radioanalytical and Nuclear Chemistry, 2017, 312, 543-555.	1.5	3
92	Periodically ordered inverse opal TiO_2 /polyaniline core/shell design for electrochemical energy storage applications. Journal of Alloys and Compounds, 2017, 694, 111-118.	5.5	21
93	Carbon nanotube-grafted inverse opal nanostructures. Optical Materials Express, 2017, 7, 2242.	3.0	2
94	Plasmonic Solar Cells: From Rational Design to Mechanism Overview. Chemical Reviews, 2016, 116, 14982-15034.	47.7	333
95	A cyanine-based colorimetric and fluorescent probe for highly selective sensing and bioimaging of phosphate ions. Dyes and Pigments, 2016, 133, 127-131.	3.7	26
96	Layer-by-Layer Self-Assembled Graphene Multilayers as Pt-Free Alternative Counter Electrodes in Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 11488-11498.	8.0	20
97	Layer-by-layer self-assembly of bisdendrons: An unprecedented route to multilayer thin films. Macromolecular Research, 2016, 24, 851-855.	2.4	5
98	Reduced graphene oxide wrapped core-shell metal nanowires as promising flexible transparent conductive electrodes with enhanced stability. Nanoscale, 2016, 8, 18938-18944.	5.6	35
99	Non-Volatile ReRAM Devices Based on Self-Assembled Multilayers of Modified Graphene Oxide 2D Nanosheets. Small, 2016, 12, 6167-6174.	10.0	42
100	Divalent Fe Atom Coordination in Two-Dimensional Microporous Graphitic Carbon Nitride. ACS Applied Materials & Interfaces, 2016, 8, 25438-25443.	8.0	70
101	Highly Efficient Perovskite-Quantum Light-Emitting Diodes by Surface Engineering. Advanced Materials, 2016, 28, 8718-8725.	21.0	917
102	Synthesis and biodistribution of novel dipicolylamine $^{99m}\text{Tc}-(\text{CO})_3$ -labeled fatty acid derivatives for myocardial imaging. Journal of Radioanalytical and Nuclear Chemistry, 2016, 310, 1181-1194.	1.5	6
103	Toward high efficiency organic photovoltaic devices with enhanced thermal stability utilizing P3HT-b-P3PHT block copolymer additives. Journal of Materials Chemistry A, 2016, 4, 18432-18443.	10.3	31
104	Plasmonic Periodic Nanodot Arrays via Laser Interference Lithography for Organic Photovoltaic Cells with >10% Efficiency. ACS Nano, 2016, 10, 10143-10151.	14.6	48
105	A mechanistic study on graphene-based nonvolatile ReRAM devices. Journal of Materials Chemistry C, 2016, 4, 11007-11031.	5.5	30
106	Perovskite energy funnels for efficient light-emitting diodes. Nature Nanotechnology, 2016, 11, 872-877.	31.5	1,868
107	Synthesis and bioevaluation of ^{99m}Tc -labeled fatty acid derivatives for myocardial metabolism imaging. Applied Organometallic Chemistry, 2016, 30, 596-604.	3.5	3
108	Gold-based hybrid nanomaterials for biosensing and molecular diagnostic applications. Biosensors and Bioelectronics, 2016, 80, 543-559.	10.1	80

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109	Ligand-Stabilized Reduced-Dimensionality Perovskites. <i>Journal of the American Chemical Society</i> , 2016, 138, 2649-2655.	13.7	1,157
110	Near-Infrared light-responsive nanomaterials for cancer theranostics. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 23-45.	6.1	115
111	LSPR Coupling: In Situ Studies of Surface-Plasmon-Resonance-Coupling Sensor Mediated by Stimuli-Sensitive Polymer Linker (<i>Adv. Funct. Mater.</i> 43/2015). <i>Advanced Functional Materials</i> , 2015, 25, 6823-6823.	14.9	1
112	In Situ Studies of Surface Plasmon Resonance Coupling Sensor Mediated by Stimuli Sensitive Polymer Linker. <i>Advanced Functional Materials</i> , 2015, 25, 6716-6724.	14.9	23
113	Development of a Remote Monitoring System for Henhouse Environment Based on IoT Technology. <i>Future Internet</i> , 2015, 7, 329-341.	3.8	34
114	Preparation, optical property and field-effect mobility investigation of stable white-emissive doped organic crystal. <i>CrystEngComm</i> , 2015, 17, 2168-2175.	2.6	10
115	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, 144-151.	8.0	60
116	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.	3.7	19
117	Perovskite/fullerene hybrid materials suppress hysteresis in planar diodes. <i>Nature Communications</i> , 2015, 6, 7081.	12.8	948
118	A two-step route to planar perovskite cells exhibiting reduced hysteresis. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	80
119	Multi-layered nanocomposite dielectrics for high density organic memory devices. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	9
120	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, 21073-21081.	8.0	33
121	N-doped mesoporous inverse opal structures for visible-light photocatalysts. <i>RSC Advances</i> , 2015, 5, 77716-77722.	3.6	13
122	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.	5.5	10
123	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.	0.7	7
124	A Special Issue on Functional Polymeric Nanomaterials. <i>Science of Advanced Materials</i> , 2015, 7, 827-829.	0.7	0
125	Effect of coupled graphene oxide on the sensitivity of surface plasmon resonance detection. <i>Applied Optics</i> , 2014, 53, 1419.	1.8	18
126	Near-field analysis of CdSe quantum dot conjugated core-shell nanoparticle. <i>Proceedings of SPIE</i> , 2014, .	0.8	0

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127	Surface plasmon resonance mediated photoluminescence properties of nanostructured multicomponent fluorophore systems. <i>Nanoscale</i> , 2014, 6, 4966-4984.	5.6	89
128	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, 103-109.	2.8	207
129	ZnO nanorods/Pt and ZnO nanorods/Ag heteronanostructure arrays with enhanced photocatalytic degradation of dyes. <i>RSC Advances</i> , 2014, 4, 59009-59016.	3.6	31
130	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, 9023-9030.	2.8	56
131	Plasmonic dye-sensitized solar cells incorporated with Au@TiO ₂ nanostructures with tailored configurations. <i>Nanoscale</i> , 2014, 6, 1823-1832.	5.6	100
132	Periodic layered inverse micelle multilayers with tunable photonic band gap: fabrication and application in dye-sensitized solar cells. <i>Nanoscale</i> , 2014, 6, 4204-4210.	5.6	8
133	Mesoporous Carbon@TiO ₂ Beads with Nanotextured Surfaces as Photoanodes in Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2014, 7, 2590-2596.	6.8	20
134	Revolutionizing the FRET-Based Light Emission in Core-Shell Nanostructures via Comprehensive Activity of Surface Plasmons. <i>Scientific Reports</i> , 2014, 4, 4735.	3.3	44
135	Quantitative Methylation Level of the EPHX1 Promoter in Peripheral Blood DNA Is Associated with Polycystic Ovary Syndrome. <i>PLoS ONE</i> , 2014, 9, e88013.	2.5	30
136	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.	38.1	509
137	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.	2.3	7
138	Visible Light Photo-oxidation in Au Nanoparticle Sensitized SrTiO ₃ :Nb Photoanode. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15532-15539.	3.1	22
139	Configuration-controlled Au nanocluster arrays on inverse micelle nano-patterns: versatile platforms for SERS and SPR sensors. <i>Nanoscale</i> , 2013, 5, 12261.	5.6	40
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