

# Dong Ha Kim

## List of Publications by Year in descending order

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236  
papers

15,612  
citations

28274

55  
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18647

119  
g-index

244  
all docs

244  
docs citations

244  
times ranked

20715  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perovskite energy funnels for efficient light-emitting diodes. <i>Nature Nanotechnology</i> , 2016, 11, 872-877.	31.5	1,868
2	Ligand-Stabilized Reduced-Dimensionality Perovskites. <i>Journal of the American Chemical Society</i> , 2016, 138, 2649-2655.	13.7	1,157
3	Perovskite–fullerene hybrid materials suppress hysteresis in planar diodes. <i>Nature Communications</i> , 2015, 6, 7081.	12.8	948
4	Highly Efficient Perovskite–Quantum Dot Light-Emitting Diodes by Surface Engineering. <i>Advanced Materials</i> , 2016, 28, 8718-8725.	21.0	917
5	Perovskite-based photodetectors: materials and devices. <i>Chemical Society Reviews</i> , 2017, 46, 5204-5236.	38.1	709
6	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
7	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
8	Plasmonic Solar Cells: From Rational Design to Mechanism Overview. <i>Chemical Reviews</i> , 2016, 116, 14982-15034.	47.7	333
9	A Simple Route to Metal Nanodots and Nanoporous Metal Films. <i>Nano Letters</i> , 2002, 2, 933-936.	9.1	239
10	Surface-Plasmon-Induced Visible Light Photocatalytic Activity of TiO <sub>2</sub> Nanospheres Decorated by Au Nanoparticles with Controlled Configuration. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2500-2506.	3.1	233
11	A Rapid Route to Arrays of Nanostructures in Thin Films. <i>Advanced Materials</i> , 2002, 14, 1373-1376.	21.0	232
12	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
13	From CO <sub>2</sub> 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
14	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
15	Biomaterialized N-Doped CNT/TiO <sub>2</sub> Core/Shell Nanowires for Visible Light Photocatalysis. <i>ACS Nano</i> , 2012, 6, 935-943.	14.6	186
16	A Route to Nanoscopic SiO <sub>2</sub> Posts via Block Copolymer Templates. <i>Advanced Materials</i> , 2001, 13, 795-797.	21.0	178
17	An Unconventional Route to High-Efficiency Dye-Sensitized Solar Cells via Embedding Graphitic Thin Films into TiO <sub>2</sub> Nanoparticle Photoanode. <i>Nano Letters</i> , 2012, 12, 479-485.	9.1	150
18	Enhancement in the Orientation of the Microdomain in Block Copolymer Thin Films upon the Addition of Homopolymer. <i>Advanced Materials</i> , 2004, 16, 533-536.	21.0	134

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19	Nanostructured Gold Films for SERS by Block Copolymer-Templated Galvanic Displacement Reactions. <i>Nano Letters</i> , 2009, 9, 2384-2389.	9.1	133
20	One-Step Route to the Fabrication of Highly Porous Polyaniline Nanofiber Films by Using PS-b-PVP Diblock Copolymers as Templates. <i>Langmuir</i> , 2005, 21, 9393-9397.	3.5	126
21	Plasmon-Sensitized Graphene/TiO <sub>2</sub> Inverse Opal Nanostructures with Enhanced Charge Collection Efficiency for Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 7075-7083.	8.0	121
22	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
23	Ordered Arrays of ~100%-Oriented Silicon Nanorods by CMOS-Compatible Block Copolymer Lithography. <i>Nano Letters</i> , 2007, 7, 1516-1520.	9.1	116
24	Near-Infrared light-responsive nanomaterials for cancer theranostics. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 23-45.	6.1	115
25	Inorganic Nanodots from Thin Films of Block Copolymers. <i>Nano Letters</i> , 2004, 4, 1841-1844.	9.1	113
26	Spatial charge separation on strongly coupled 2D-hybrid of rGO/La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> /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
27	Plasmonic dye-sensitized solar cells incorporated with Au-TiO <sub>2</sub> nanostructures with tailored configurations. <i>Nanoscale</i> , 2014, 6, 1823-1832.	5.6	100
28	Formation of Dendrimer Nanotubes by Layer-by-Layer Deposition. <i>Small</i> , 2004, 1, 99-102.	10.0	96
29	Morphologies in solvent-annealed thin films of symmetric diblock copolymer. <i>Journal of Chemical Physics</i> , 2006, 125, 064702.	3.0	94
30	Surface plasmon resonance mediated photoluminescence properties of nanostructured multicomponent fluorophore systems. <i>Nanoscale</i> , 2014, 6, 4966-4984.	5.6	89
31	Fe-N <sub>4</sub> 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
32	Volume Contractions Induced by Crosslinking: A Novel Route to Nanoporous Polymer Films. <i>Advanced Materials</i> , 2003, 15, 1247-1250.	21.0	87
33	Apertureless Near-Field Vibrational Imaging of Block-Copolymer Nanostructures with Ultrahigh Spatial Resolution. <i>ChemPhysChem</i> , 2005, 6, 2197-2203.	2.1	87
34	Novel Bi-Nuclear Boron Complex with Pyrene Ligand: Red-Light Emitting as well as Electron Transporting Material in Organic Light-Emitting Diodes. <i>Organic Letters</i> , 2010, 12, 1272-1275.	4.6	87
35	Precise Control of Nanopore Size in Thin Film Using Mixtures of Asymmetric Block Copolymer and Homopolymer. <i>Macromolecules</i> , 2003, 36, 10126-10129.	4.8	85
36	On the synergistic coupling properties of composite CdS/TiO <sub>2</sub> nanoparticle arrays confined in nanopatterned hybrid thin films. <i>Journal of Materials Chemistry</i> , 2010, 20, 677-682.	6.7	80

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37	A two-step route to planar perovskite cells exhibiting reduced hysteresis. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	80
38	Gold-based hybrid nanomaterials for biosensing and molecular diagnostic applications. <i>Biosensors and Bioelectronics</i> , 2016, 80, 543-559.	10.1	80
39	Organic-Inorganic Nanohybridization by Block Copolymer Thin Films. <i>Advanced Functional Materials</i> , 2005, 15, 1160-1164.	14.9	79
40	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
41	Synthesis and Photoluminescence of Titania Nanoparticle Arrays Templated by Block-Copolymer Thin Films. <i>ChemPhysChem</i> , 2006, 7, 370-378.	2.1	75
42	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.	10.3	74
43	High-Density Arrays of Titania Nanoparticles Using Monolayer Micellar Films of Diblock Copolymers as Templates. <i>Langmuir</i> , 2005, 21, 5212-5217.	3.5	72
44	Divalent Fe Atom Coordination in Two-Dimensional Microporous Graphitic Carbon Nitride. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25438-25443.	8.0	70
45	Toward an Effective Control of the H <sub>2</sub> to CO Ratio of Syngas through CO <sub>2</sub> Electroreduction over Immobilized Gold Nanoparticles on Layered Titanate Nanosheets. <i>ACS Catalysis</i> , 2018, 8, 4364-4374.	11.2	69
46	Carbon-Deposited TiO <sub>2</sub> 3D Inverse Opal Photocatalysts: Visible-Light Photocatalytic Activity and Enhanced Activity in a Viscous Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 12526-12532.	8.0	68
47	Hierarchical Porous Carbonized Co <sub>3</sub> O <sub>4</sub> Inverse Opals via Combined Block Copolymer and Colloid Templating as Bifunctional Electrocatalysts in Li-O <sub>2</sub> Battery. <i>Advanced Energy Materials</i> , 2017, 7, 1700391.	19.5	68
48	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
49	Synergistically enhanced photocatalytic activity of graphitic carbon nitride and WO <sub>3</sub> nanohybrids mediated by photo-Fenton reaction and H <sub>2</sub> O <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2017, 206, 263-270.	20.2	65
50	Interrogation of Folic Acid-Functionalized Nanomedicines: The Regulatory Roles of Plasma Proteins Reexamined. <i>ACS Nano</i> , 2020, 14, 14779-14789.	14.6	63
51	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
52	Composite hollow nanostructures composed of carbon-coated Ti <sup>3+</sup> -self-doped TiO <sub>2</sub> -reduced graphene oxide as an efficient electrocatalyst for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7072-7080.	10.3	61
53	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 &amp; Interfaces</i> , 2015, 7, 144-151.	8.0	60
54	On the Replication of Block Copolymer Templates by Poly(dimethylsiloxane) Elastomers. <i>Advanced Materials</i> , 2003, 15, 811-814.	21.0	59

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55	Self-assembly of Protein Nanoarrays on Block Copolymer Templates. <i>Advanced Functional Materials</i> , 2008, 18, 3148-3157.	14.9	58
56	Growth of Silicon Oxide in Thin Film Block Copolymer Scaffolds. <i>Advanced Materials</i> , 2004, 16, 702-706.	21.0	57
57	Lead-free halide double perovskites: Toward stable and sustainable optoelectronic devices. <i>Materials Today</i> , 2021, 49, 123-144.	14.2	57
58	Soft-template-carbonization route to highly textured mesoporous carbon@TiO <sub>2</sub> inverse opals for efficient photocatalytic and photoelectrochemical applications. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9023-9030.	2.8	56
59	Assembly and Mechanical Properties of Phosphorus Dendrimer/Polyelectrolyte Multilayer Microcapsules. <i>Langmuir</i> , 2005, 21, 7200-7206.	3.5	55
60	Unprecedentedly high indoor performance (efficiency > 34 %) of perovskite photovoltaics with controlled bromine doping. <i>Nano Energy</i> , 2020, 75, 104984.	16.0	55
61	Development of Nanodomain and Fractal Morphologies in Solvent Annealed Block Copolymer Thin Films. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1422-1428.	3.9	53
62	Synergistic Nanozymetic Activity of Hybrid Gold Bipyramid@Molybdenum Disulfide Core@Shell Nanostructures for Two-Photon Imaging and Anticancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 42068-42076.	8.0	53
63	Surface-Plasmon-Enhanced Band Emission of ZnO Nanoflowers Decorated with Au Nanoparticles. <i>Chemistry - A European Journal</i> , 2012, 18, 7467-7472.	3.3	52
64	Enhanced photocatalytic activity of C, F-codoped TiO <sub>2</sub> loaded with AgCl. <i>Journal of Alloys and Compounds</i> , 2013, 560, 20-26.	5.5	51
65	Nanopatterned Carbon Films with Engineered Morphology by Direct Carbonization of UV-Stabilized Block Copolymer Films. <i>Nano Letters</i> , 2008, 8, 3993-3997.	9.1	49
66	Flexible Nonvolatile Transistor Memory with Solution-Processed Transition Metal Dichalcogenides. <i>Small</i> , 2017, 13, 1603971.	10.0	49
67	Plasmonic Periodic Nanodot Arrays <i>via</i> Laser Interference Lithography for Organic Photovoltaic Cells with >10% Efficiency. <i>ACS Nano</i> , 2016, 10, 10143-10151.	14.6	48
68	One step route to the fabrication of arrays of TiO <sub>2</sub> nanobowls via a complementary block copolymer templating and sol-gel process. <i>Soft Matter</i> , 2008, 4, 515-521.	2.7	46
69	Enhancing Solar Light-Driven Photocatalytic Activity of Mesoporous Carbon@TiO <sub>2</sub> Hybrid Films via Upconversion Coupling. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1310-1317.	6.7	46
70	Plasmonic Hot Carriers Imaging: Promise and Outlook. <i>ACS Photonics</i> , 2018, 5, 4711-4723.	6.6	46
71	Transparent, Low-Electric-Resistance Nanocomposites of Self-Assembled Block Copolymers and SWNTs. <i>Advanced Materials</i> , 2008, 20, 1505-1510.	21.0	45
72	The lithium metal anode in Li-S batteries: challenges and recent progress. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10012-10038.	10.3	45

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73	Visible-light active nanohybrid TiO <sub>2</sub> /carbon photocatalysts with programmed morphology by direct carbonization of block copolymer templates. <i>Green Chemistry</i> , 2011, 13, 3397.	9.0	44
74	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
75	Thin Films of Block Copolymers as Planar Optical Waveguides. <i>Advanced Materials</i> , 2005, 17, 2442-2446.	21.0	43
76	Self-powered reduced-dimensionality perovskite photodiodes with controlled crystalline phase and improved stability. <i>Nano Energy</i> , 2019, 57, 761-770.	16.0	43
77	Non-Volatile ReRAM Devices Based on Self-Assembled Multilayers of Modified Graphene Oxide 2D Nanosheets. <i>Small</i> , 2016, 12, 6167-6174.	10.0	42
78	Synthesis and photocatalytic properties of hierarchical metal nanoparticles/ZnO thin films hetero nanostructures assisted by diblock copolymer inverse micellar nanotemplates. <i>Journal of Colloid and Interface Science</i> , 2010, 345, 125-130.	9.4	41
79	Nanogap-based dielectric-specific colocalization for highly sensitive surface plasmon resonance detection of biotin-streptavidin interactions. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	41
80	Morphology change of asymmetric diblock copolymer micellar films during solvent annealing. <i>Polymer</i> , 2007, 48, 2434-2443.	3.8	40
81	Localized surface plasmon resonance coupling in Au nanoparticles/phosphorus dendrimer multilayer thin films fabricated by layer-by-layer self-assembly method. <i>Journal of Materials Chemistry</i> , 2009, 19, 2006.	6.7	40
82	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
83	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
84	Retarded Charge-Carrier Recombination in Photoelectrochemical Cells from Plasmon-Induced Resonance Energy Transfer. <i>Advanced Energy Materials</i> , 2020, 10, 2000570.	19.5	40
85	Tunable Surface Plasmon Band of Position Selective Ag and Au Nanoparticles in Thin Block Copolymer Micelle Films. <i>Chemistry of Materials</i> , 2009, 21, 4248-4255.	6.7	36
86	Enhanced Photophysical Properties of Nanopatterned Titania Nanodots/Nanowires upon Hybridization with Silica via Block Copolymer Templated Sol-Gel Process. <i>Polymers</i> , 2010, 2, 490-504.	4.5	36
87	Perovskite-Gold Nanorod Hybrid Photodetector with High Responsivity and Low Driving Voltage. <i>Advanced Optical Materials</i> , 2018, 6, 1701397.	7.3	36
88	An Optical Waveguide Study on the Nanopore Formation in Block Copolymer/Homopolymer Thin Films by Selective Solvent Swelling. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15381-15388.	2.6	35
89	Grafting poly(4-vinylpyridine) onto gold nanorods toward functional plasmonic core-shell nanostructures. <i>Journal of Materials Chemistry</i> , 2011, 21, 16453.	6.7	35
90	Bimetallic Multifunctional Core@Shell Plasmonic Nanoparticles for Localized Surface Plasmon Resonance Based Sensing and Electrocatalysis. <i>Analytical Chemistry</i> , 2012, 84, 6494-6500.	6.5	35

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91	Reduced graphene oxide wrapped core-shell metal nanowires as promising flexible transparent conductive electrodes with enhanced stability. <i>Nanoscale</i> , 2016, 8, 18938-18944.	5.6	35
92	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
93	High-temperature resistant, ordered gold nanoparticle arrays. <i>Nanotechnology</i> , 2006, 17, 2122-2126.	2.6	34
94	Plasmonic-Coupling-Based Sensing by the Assembly and Disassembly of Dipicolylamine-Tagged Gold Nanoparticles Induced by Complexing with Cations and Anions. <i>Small</i> , 2012, 8, 1442-1448.	10.0	34
95	Development of a Remote Monitoring System for Henhouse Environment Based on IoT Technology. <i>Future Internet</i> , 2015, 7, 329-341.	3.8	34
96	Modulation of Protein-Surface Interactions on Nanopatterned Polymer Films. <i>Biomacromolecules</i> , 2009, 10, 1061-1066.	5.4	33
97	Comprehensive Study on the Controlled Plasmon-Enhanced Photocatalytic Activity of Hybrid Au/ZnO Systems Mediated by Thermoresponsive Polymer Linkers. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 21073-21081.	8.0	33
98	Efficient photocatalytic hybrid Ag/TiO <sub>2</sub> nanodot arrays integrated into nanopatterned block copolymer thin films. <i>New Journal of Chemistry</i> , 2009, 33, 2431.	2.8	31
99	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
100	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.	10.3	31
101	Bioactive multilayer thin films of charged N,N-disubstituted hydrazine phosphorus dendrimers fabricated by layer-by-layer self-assembly. <i>Thin Solid Films</i> , 2008, 516, 1256-1264.	1.8	30
102	A versatile approach to the fabrication of TiO <sub>2</sub> nanostructures with reverse morphology and mesoporous Ag/TiO <sub>2</sub> thin films via cooperative PS-b-PEO self-assembly and a sol-gel process. <i>Journal of Materials Chemistry</i> , 2009, 19, 7245.	6.7	30
103	A mechanistic study on graphene-based nonvolatile ReRAM devices. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11007-11031.	5.5	30
104	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
105	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
106	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
107	Perovskite La <sub>0.75</sub> Sr <sub>0.25</sub> Cr <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> fiber-in-tube scaffold: highly selective and sensitive formaldehyde sensing. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10543-10551.	10.3	29
108	Ultrahigh resolution and color gamut with scattering-reducing transmissive pixels. <i>Nature Communications</i> , 2019, 10, 4782.	12.8	29

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109	Mechanistic Study Revealing the Role of the Br <sub>3</sub> <sup>•</sup> /Br <sub>2</sub> Redox Couple in CO <sub>2</sub> -Assisted Li <sup>+</sup> O <sub>2</sub> Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1903486.	19.5	29
110	Plasmon and Upconversion Mediated Broadband Spectral Response in TiO <sub>2</sub> Inverse Opal Photocatalysts for Enhanced Photoelectrochemical Water Splitting. <i>ACS Applied Energy Materials</i> , 2019, 2, 3780-3790.	5.1	28
111	Fabrication of Au/Titania Composite Nanodot Arrays from Au-Loaded Block Copolymer Micellar Films. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1173-1178.	3.9	27
112	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.	3.7	26
113	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
114	Design of tailored multi-charged phosphorus surface-block dendrimers. <i>New Journal of Chemistry</i> , 2006, 30, 1731.	2.8	25
115	Fabrication of Metallized Nanoporous Films from the Self-Assembly of a Block Copolymer and Homopolymer Mixture. <i>Langmuir</i> , 2007, 23, 6883-6888.	3.5	25
116	Fabrication and Photocatalytic Activities of Morphology-Controlled Titania Nanoobject Arrays by Block Copolymer Templates. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2055-2061.	3.9	25
117	Plasmon-Enhanced Electrocatalytic Properties of Rationally Designed Hybrid Nanostructures at a Catalytic Interface. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801144.	3.7	24
118	Studies on Polymer-Metal Interfaces. 2. Competitive Adsorption between Oxygen- and Nitrogen-Containing Functionality in Model Copolymers onto Metal Surfaces. <i>Macromolecules</i> , 2000, 33, 3050-3058.	4.8	23
119	GISAXS investigation of nanoparticles in PS-b-PEO block-copolymer films. <i>Physica B: Condensed Matter</i> , 2005, 357, 141-143.	2.7	23
120	Dewetting of Thin Polystyrene Films under Confinement. <i>Langmuir</i> , 2007, 23, 2326-2329.	3.5	23
121	The fabrication of graphitic thin films with highly dispersed noble metal nanoparticles by direct carbonization of block copolymer inverse micelle templates. <i>Carbon</i> , 2011, 49, 2120-2126.	10.3	23
122	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
123	Plasmon-mediated wavelength-selective enhanced photoresponse in polymer photodetectors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 399-407.	5.5	23
124	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
125	Solution-Processed PEDOT:PSS/MoS <sub>2</sub> Nanocomposites as Efficient Hole-Transporting Layers for Organic Solar Cells. <i>Nanomaterials</i> , 2019, 9, 1328.	4.1	23
126	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



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127	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
128	Control of the Area Density of Vertically Grown ZnO Nanowires by Blending PS- <i>b</i> -P4VP and PS- <i>b</i> -PAA Copolymer Micelles. <i>Chemistry of Materials</i> , 2008, 20, 6041-6047.	6.7	22
129	Visible Light Photo-oxidation in Au Nanoparticle Sensitized SrTiO <sub>3</sub> :Nb Photoanode. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15532-15539.	3.1	22
130	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 <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>Journal of Power Sources</i> , 2019, 438, 226956.	7.8	22
131	Narrowing the Phase Distribution of Quasi-2D Perovskites for Stable Deep-Blue Electroluminescence. <i>Advanced Science</i> , 2022, 9, .	11.2	22
132	Periodically ordered inverse opal TiO <sub>2</sub> /polyaniline core/shell design for electrochemical energy storage applications. <i>Journal of Alloys and Compounds</i> , 2017, 694, 111-118.	5.5	21
133	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
134	Nanostructuring Polymeric Materials by Templating Strategies. <i>Small</i> , 2011, 7, 1384-1391.	10.0	20
135	Mesoporous Carbon-TiO <sub>2</sub> Beads with Nanotextured Surfaces as Photoanodes in Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2014, 7, 2590-2596.	6.8	20
136	Layer-by-Layer Self-Assembled Graphene Multilayers as Pt-Free Alternative Counter Electrodes in Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 11488-11498.	8.0	20
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