

Yugang Sun

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201
papers

44,328
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72
h-index

210
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222
ext. papers

46,905
ext. citations

12.1
avg. IF

7.77
L-index

#	Paper	IF	Citations
201	One-Dimensional Nanostructures: Synthesis, Characterization, and Applications. <i>Advanced Materials</i> , 2003 , 15, 353-389	24	7667
200	Shape-controlled synthesis of gold and silver nanoparticles. <i>Science</i> , 2002 , 298, 2176-9	33.3	5623
199	Polyol Synthesis of Uniform Silver Nanowires: A Plausible Growth Mechanism and the Supporting Evidence. <i>Nano Letters</i> , 2003 , 3, 955-960	11.5	1331
198	Crystalline Silver Nanowires by Soft Solution Processing. <i>Nano Letters</i> , 2002 , 2, 165-168	11.5	1304
197	Uniform Silver Nanowires Synthesis by Reducing AgNO ₃ with Ethylene Glycol in the Presence of Seeds and Poly(Vinyl Pyrrolidone). <i>Chemistry of Materials</i> , 2002 , 14, 4736-4745	9.6	1293
196	Shape-controlled synthesis of metal nanostructures: the case of silver. <i>Chemistry - A European Journal</i> , 2005 , 11, 454-63	4.8	1261
195	Gold nanocages: synthesis, properties, and applications. <i>Accounts of Chemical Research</i> , 2008 , 41, 1587-95	24.3	1191
194	Langmuir-Blodgett Silver Nanowire Monolayers for Molecular Sensing Using Surface-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2003 , 3, 1229-1233	11.5	1167
193	Large-Scale Synthesis of Uniform Silver Nanowires Through a Soft, Self-Seeding, Polyol Process. <i>Advanced Materials</i> , 2002 , 14, 833	24	1078
192	Mechanistic study on the replacement reaction between silver nanostructures and chloroauric acid in aqueous medium. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3892-901	16.4	969
191	Synthesis of silver nanostructures with controlled shapes and properties. <i>Accounts of Chemical Research</i> , 2007 , 40, 1067-76	24.3	961
190	Waltzing with the Versatile Platform of Graphene to Synthesize Composite Photocatalysts. <i>Chemical Reviews</i> , 2015 , 115, 10307-77	68.1	903
189	Polyol Synthesis of Silver Nanoparticles: Use of Chloride and Oxygen to Promote the Formation of Single-Crystal, Truncated Cubes and Tetrahedrons. <i>Nano Letters</i> , 2004 , 4, 1733-1739	11.5	838
188	Template-Engaged Replacement Reaction: A One-Step Approach to the Large-Scale Synthesis of Metal Nanostructures with Hollow Interiors. <i>Nano Letters</i> , 2002 , 2, 481-485	11.5	831
187	Controlled buckling of semiconductor nanoribbons for stretchable electronics. <i>Nature Nanotechnology</i> , 2006 , 1, 201-7	28.7	719
186	Inorganic Semiconductors for Flexible Electronics. <i>Advanced Materials</i> , 2007 , 19, 1897-1916	24	695
185	Transformation of Silver Nanospheres into Nanobelts and Triangular Nanoplates through a Thermal Process. <i>Nano Letters</i> , 2003 , 3, 675-679	11.5	680

184	Heterogeneous three-dimensional electronics by use of printed semiconductor nanomaterials. <i>Science</i> , 2006 , 314, 1754-7	33.3	577
183	Micro- and nanopatterning techniques for organic electronic and optoelectronic systems. <i>Chemical Reviews</i> , 2007 , 107, 1117-60	68.1	564
182	Finite deformation mechanics in buckled thin films on compliant supports. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15607-12	11.5	542
181	Facile synthesis of sunlight-driven AgCl:Ag plasmonic nanophotocatalyst. <i>Advanced Materials</i> , 2010 , 22, 2570-4	24	518
180	Edge-terminated molybdenum disulfide with a 9.4-Å interlayer spacing for electrochemical hydrogen production. <i>Nature Communications</i> , 2015 , 6, 7493	17.4	516
179	Increased sensitivity of surface plasmon resonance of gold nanoshells compared to that of gold solid colloids in response to environmental changes. <i>Analytical Chemistry</i> , 2002 , 74, 5297-305	7.8	512
178	Gold and silver nanoparticles: a class of chromophores with colors tunable in the range from 400 to 750 nm. <i>Analyst, The</i> , 2003 , 128, 686-91	5	433
177	Triangular Nanoplates of Silver: Synthesis, Characterization, and Use as Sacrificial Templates For Generating Triangular Nanorings of Gold. <i>Advanced Materials</i> , 2003 , 15, 695-699	24	419
176	Synthesis and optical properties of nanorattles and multiple-walled nanoshells/nanotubes made of metal alloys. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9399-406	16.4	384
175	Polymer Imprint Lithography with Molecular-Scale Resolution. <i>Nano Letters</i> , 2004 , 4, 2467-2471	11.5	370
174	Reversing the size-dependence of surface plasmon resonances. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 14530-4	11.5	348
173	Silver Nanowires Can Be Directly Coated with Amorphous Silica To Generate Well-Controlled Coaxial Nanocables of Silver/Silica. <i>Nano Letters</i> , 2002 , 2, 427-430	11.5	335
172	Polyol synthesis of silver nanostructures: control of product morphology with Fe(II) or Fe(III) species. <i>Langmuir</i> , 2005 , 21, 8077-80	4	320
171	One-dimension-based spatially ordered architectures for solar energy conversion. <i>Chemical Society Reviews</i> , 2015 , 44, 5053-75	58.5	317
170	Highly Bendable, Transparent Thin-Film Transistors That Use Carbon-Nanotube-Based Conductors and Semiconductors with Elastomeric Dielectrics. <i>Advanced Materials</i> , 2006 , 18, 304-309	24	315
169	High-Performance, Flexible Hydrogen Sensors That Use Carbon Nanotubes Decorated with Palladium Nanoparticles. <i>Advanced Materials</i> , 2007 , 19, 2818-2823	24	311
168	Alloying and Dealloying Processes Involved in the Preparation of Metal Nanoshells through a Galvanic Replacement Reaction. <i>Nano Letters</i> , 2003 , 3, 1569-1572	11.5	299
167	Semiconductor wires and ribbons for high-performance flexible electronics. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5524-42	16.4	253

166	Shape-Controlled Synthesis of Silver and Gold Nanostructures. <i>MRS Bulletin</i> , 2005 , 30, 356-361	3.2	245
165	Morphological and crystalline evolution of nanostructured MnO ₂ and its application in lithium-air batteries. <i>ACS Nano</i> , 2012 , 6, 8067-77	16.7	239
164	Near-field dielectric scattering promotes optical absorption by platinum nanoparticles. <i>Nature Photonics</i> , 2016 , 10, 473-482	33.9	236
163	Multiple-Walled Nanotubes Made of Metals. <i>Advanced Materials</i> , 2004 , 16, 264-268	24	204
162	Interlayer-expanded MoS ₂ . <i>Materials Today</i> , 2017 , 20, 83-91	21.8	198
161	Silver nanowires--unique templates for functional nanostructures. <i>Nanoscale</i> , 2010 , 2, 1626-42	7.7	193
160	Fabricating Semiconductor Nano/Microwires and Transfer Printing Ordered Arrays of Them onto Plastic Substrates. <i>Nano Letters</i> , 2004 , 4, 1953-1959	11.5	193
159	Enabling Colloidal Synthesis of Edge-Oriented MoS ₂ with Expanded Interlayer Spacing for Enhanced HER Catalysis. <i>Nano Letters</i> , 2017 , 17, 1963-1969	11.5	173
158	Ag nanowires coated with Ag/Pd alloy sheaths and their use as substrates for reversible absorption and desorption of hydrogen. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5940-1	16.4	165
157	In situ visualization of self-assembly of charged gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3764-7	16.4	164
156	Controlled synthesis of colloidal silver nanoparticles in organic solutions: empirical rules for nucleation engineering. <i>Chemical Society Reviews</i> , 2013 , 42, 2497-511	58.5	163
155	Ru Nanoframes with an fcc Structure and Enhanced Catalytic Properties. <i>Nano Letters</i> , 2016 , 16, 2812-7	11.5	148
154	Electrodeposition of Pd nanoparticles on single-walled carbon nanotubes for flexible hydrogen sensors. <i>Applied Physics Letters</i> , 2007 , 90, 213107	3.4	147
153	Surfactantless synthesis of silver nanoplates and their application in SERS. <i>Small</i> , 2007 , 3, 1964-75	11	141
152	Propagation lengths and group velocities of plasmons in chemically synthesized gold and silver nanowires. <i>ACS Nano</i> , 2012 , 6, 472-82	16.7	132
151	A self-templated approach to TiO ₂ microcapsules. <i>Nano Letters</i> , 2007 , 7, 1832-6	11.5	130
150	Buckled and Wavy Ribbons of GaAs for High-Performance Electronics on Elastomeric Substrates. <i>Advanced Materials</i> , 2006 , 18, 2857-2862	24	127
149	Tailored synthesis of superparamagnetic gold nanoshells with tunable optical properties. <i>Advanced Materials</i> , 2010 , 22, 1905-9	24	123

148	Nanoscale, electrified liquid jets for high-resolution printing of charge. <i>Nano Letters</i> , 2010 , 10, 584-91	11.5	106
147	Ambient-stable tetragonal phase in silver nanostructures. <i>Nature Communications</i> , 2012 , 3, 971	17.4	106
146	Plasmonic/magnetic bifunctional nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3158-63	16.4	103
145	Mechanics of precisely controlled thin film buckling on elastomeric substrate. <i>Applied Physics Letters</i> , 2007 , 90, 133119	3.4	101
144	Quantitative 3D evolution of colloidal nanoparticle oxidation in solution. <i>Science</i> , 2017 , 356, 303-307	33.3	100
143	Structural forms of single crystal semiconductor nanoribbons for high-performance stretchable electronics. <i>Journal of Materials Chemistry</i> , 2007 , 17, 832		99
142	Photolithographic Route to the Fabrication of Micro/Nanowires of III-V Semiconductors. <i>Advanced Functional Materials</i> , 2005 , 15, 30-40	15.6	98
141	Plasmonic silver incorporated silver halides for efficient photocatalysis. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4336-4352	13	97
140	Determination of some catechol derivatives by a flow injection electrochemiluminescent inhibition method. <i>Talanta</i> , 2000 , 53, 661-6	6.2	93
139	Hollow-Structured Materials for Thermal Insulation. <i>Advanced Materials</i> , 2019 , 31, e1801001	24	93
138	Lithium ion conducting membranes for lithium-air batteries. <i>Nano Energy</i> , 2013 , 2, 801-816	17.1	91
137	Vertically aligned MoS ₂ on Ti ₃ C ₂ (MXene) as an improved HER catalyst. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16882-16889	13	89
136	Conversion of Ag Nanowires to AgCl Nanowires Decorated with Au Nanoparticles and Their Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 2127-2133	3.8	89
135	Multichannel Charge Transfer and Mechanistic Insight in Metal Decorated 2D-2D Bi WO -TiO Cascade with Enhanced Photocatalytic Performance. <i>Small</i> , 2017 , 13, 1702253	11	88
134	Silver nanowire/thermoplastic polyurethane elastomer nanocomposites: Thermal, mechanical, and dielectric properties. <i>Materials & Design</i> , 2014 , 56, 398-404		86
133	Monitoring of galvanic replacement reaction between silver nanowires and H ₂ AuCl ₄ by in situ transmission X-ray microscopy. <i>Nano Letters</i> , 2011 , 11, 4386-92	11.5	80
132	Complete Au@ZnO core-shell nanoparticles with enhanced plasmonic absorption enabling significantly improved photocatalysis. <i>Nanoscale</i> , 2016 , 8, 10774-82	7.7	78
131	Single-Walled Carbon Nanotubes Modified with Pd Nanoparticles: Unique Building Blocks for High-Performance, Flexible Hydrogen Sensors. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1250-1259	3.8	78

130	Progressive Design of Plasmonic Metal-Semiconductor Ensemble toward Regulated Charge Flow and Improved Vis-NIR-Driven Solar-to-Chemical Conversion. <i>Small</i> , 2017 , 13, 1602947	11	71
129	Interfaced heterogeneous nanodimers. <i>National Science Review</i> , 2015 , 2, 329-348	10.8	68
128	Printed arrays of aligned GaAs wires for flexible transistors, diodes, and circuits on plastic substrates. <i>Small</i> , 2006 , 2, 1330-4	11	67
127	Ultrathin Co(Ni)-doped MoS ₂ nanosheets as catalytic promoters enabling efficient solar hydrogen production. <i>Nano Research</i> , 2016 , 9, 2284-2293	10	66
126	Bendable GaAs metal-semiconductor field-effect transistors formed with printed GaAs wire arrays on plastic substrates. <i>Applied Physics Letters</i> , 2005 , 87, 083501	3.4	63
125	Highly-stable and efficient photocatalytic fuel cell based on an epitaxial TiO ₂ /WO ₃ /W nanothorn photoanode and enhanced radical reactions for simultaneous electricity production and wastewater treatment. <i>Applied Energy</i> , 2018 , 220, 127-137	10.7	62
124	Gigahertz operation in flexible transistors on plastic substrates. <i>Applied Physics Letters</i> , 2006 , 88, 183509	3.4	60
123	Separation of anodic peaks of ascorbic acid and dopamine at an L-lysine covalently modified glassy carbon electrode. <i>Analyst</i> , 2001 , 126, 1760-1763	5	60
122	In Situ Synchrotron X-Ray Techniques for Real-Time Probing of Colloidal Nanoparticle Synthesis. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 399-419	3.1	58
121	Direct Growth of Dense, Pristine Metal Nanoplates with Well-Controlled Dimensions on Semiconductor Substrates. <i>Chemistry of Materials</i> , 2007 , 19, 5845-5847	9.6	57
120	Microfluidic Synthesis Enables Dense and Uniform Loading of Surfactant-Free PtSn Nanocrystals on Carbon Supports for Enhanced Ethanol Oxidation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4952-6	16.4	57
119	Post-buckling analysis for the precisely controlled buckling of thin film encapsulated by elastomeric substrates. <i>International Journal of Solids and Structures</i> , 2008 , 45, 2014-2023	3.1	55
118	Hierarchical Ru-doped sodium vanadium fluorophosphates hollow microspheres as a cathode of enhanced superior rate capability and ultralong stability for sodium-ion batteries. <i>Nano Energy</i> , 2017 , 31, 64-73	17.1	52
117	Visualizing Redox Dynamics of a Single Ag/AgCl Heterogeneous Nanocatalyst at Atomic Resolution. <i>ACS Nano</i> , 2016 , 10, 3738-46	16.7	49
116	A generic approach for the synthesis of dimer nanoclusters and asymmetric nanoassemblies. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2213-21	16.4	46
115	Interfaced metal heterodimers in the quantum size regime. <i>Nano Letters</i> , 2013 , 13, 3958-64	11.5	45
114	Single-crystal silicon membranes with high lithium conductivity and application in lithium-air batteries. <i>Advanced Materials</i> , 2011 , 23, 4947-52	24	45
113	Highly Asymmetric, Interfaced Dimers Made of Au Nanoparticles and Bimetallic Nanoshells: Synthesis and Photo-Enhanced Catalysis. <i>Advanced Functional Materials</i> , 2014 , 24, 2828-2836	15.6	44

112	Processing dependent behavior of soft imprint lithography on the 1-10-nm scale. <i>IEEE Nanotechnology Magazine</i> , 2006 , 5, 301-308	2.6	44
111	A low-cost photoelectrochemical tandem cell for highly-stable and efficient solar water splitting. <i>Nano Energy</i> , 2017 , 41, 225-232	17.1	42
110	Synthesis of out-of-substrate Au-Ag nanoplates with enhanced stability for catalysis. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6824-7	16.4	42
109	Quantifying the Nucleation and Growth Kinetics of Microwave Nanochemistry Enabled by in Situ High-Energy X-ray Scattering. <i>Nano Letters</i> , 2016 , 16, 715-20	11.5	41
108	Graphene formed on SiC under various environments: comparison of Si-face and C-face. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 154001	3	41
107	Revealing mechanism responsible for structural reversibility of single-crystal VO ₂ nanorods upon lithiation/delithiation. <i>Nano Energy</i> , 2017 , 36, 197-205	17.1	40
106	Quantum-Sized Metal Catalysts for Hot-Electron-Driven Chemical Transformation. <i>Advanced Materials</i> , 2018 , 30, e1802082	24	39
105	Concaving AgI sub-microparticles for enhanced photocatalysis. <i>Nano Energy</i> , 2014 , 9, 204-211	17.1	39
104	Synthesis of Silver Nanocubes in a Hydrophobic Binary Organic Solvent. <i>Chemistry of Materials</i> , 2010 , 22, 6272-6279	9.6	39
103	Metal Nanoplates on Semiconductor Substrates. <i>Advanced Functional Materials</i> , 2010 , 20, 3646-3657	15.6	39
102	Imaging of complex density in silver nanocubes by coherent x-ray diffraction. <i>New Journal of Physics</i> , 2010 , 12, 035019	2.9	37
101	Surface chemistry: a non-negligible parameter in determining optical properties of small colloidal metal nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 11814-26	3.6	37
100	Birnessite-type MnO ₂ nanosheets with layered structures under high pressure: elimination of crystalline stacking faults and oriented laminar assembly. <i>Small</i> , 2015 , 11, 300-5	11	36
99	Study of electrochemiluminescence of lucigenin at glassy carbon electrodes in NaOH solution. <i>Journal of Luminescence</i> , 2001 , 92, 205-211	3.8	36
98	Real-Time Probing of the Synthesis of Colloidal Silver Nanocubes with Time-Resolved High-Energy Synchrotron X-ray Diffraction. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 11842-11847	3.8	35
97	Temperature Dependence of Epitaxial Graphene Formation on SiC(0001). <i>Journal of Electronic Materials</i> , 2009 , 38, 718-724	1.9	35
96	Watching nanoparticle kinetics in liquid. <i>Materials Today</i> , 2012 , 15, 140-147	21.8	33
95	Ternary Silver Halide Nanocrystals. <i>Accounts of Chemical Research</i> , 2017 , 50, 1754-1761	24.3	33

94	Electron beam induced evolution in Au, Ag, and interfaced heterogeneous Au/Ag nanoparticles. <i>Nanoscale</i> , 2015 , 7, 13687-93	7.7	32
93	Morphology of graphene on SiC(0001) surfaces. <i>Applied Physics Letters</i> , 2009 , 95, 073101	3.4	32
92	Multiple-step phase transformation in silver nanoplates under high pressure. <i>Small</i> , 2011 , 7, 606-11	11	31
91	Stable Magnetic Hot Spots for Simultaneous Concentration and Ultrasensitive Surface-Enhanced Raman Scattering Detection of Solution Analytes. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13329-13335 ^{3,8}	3.8	30
90	Covalent modification of glassy carbon electrodes with beta-alanine for voltammetric separation of dopamine and ascorbic acid. <i>Analytical Sciences</i> , 2001 , 17, 939-43	1.7	30
89	Hierarchically 3D Porous Ag Nanostructures Derived from Silver Benzenethiolate Nanoboxes: Enabling CO Reduction with a Near-Unity Selectivity and Mass-Specific Current Density over 500 A/g. <i>Nano Letters</i> , 2020 , 20, 2806-2811	11.5	29
88	Fluorescence studies of electrospun MEH-PPV/PEO nanofibers. <i>Synthetic Metals</i> , 2009 , 159, 1454-1459	3.6	29
87	In Situ Synchrotron X-ray Characterization Shining Light on the Nucleation and Growth Kinetics of Colloidal Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8987-8995	16.4	28
86	Ripening of bimodally distributed AgCl nanoparticles. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11644		28
85	Flow injection analysis of pyrogallol with enhanced electrochemiluminescent detection. <i>Analytica Chimica Acta</i> , 2000 , 423, 247-253	6.6	28
84	Enhancement of coherent X-ray diffraction from nanocrystals by introduction of X-ray optics. <i>Optics Express</i> , 2003 , 11, 2329-34	3.3	26
83	Shaped gold and silver nanoparticles. <i>Frontiers of Materials Science</i> , 2011 , 5, 1-24	2.5	24
82	Formation of oxides and their role in the growth of Ag nanoplates on GaAs substrates. <i>Langmuir</i> , 2008 , 24, 11928-34	4	24
81	Quantifying Electrocatalytic Reduction of CO ₂ on Twin Boundaries. <i>Chem</i> , 2020 , 6, 3007-3021	16.2	24
80	Mesoporous Colloidal Superparticles of Platinum-Group Nanocrystals with Surfactant-Free Surfaces and Enhanced Heterogeneous Catalysis. <i>Advanced Functional Materials</i> , 2015 , 25, 1638-1647	15.6	23
79	Deformation Twinning of a Silver Nanocrystal under High Pressure. <i>Nano Letters</i> , 2015 , 15, 7644-9	11.5	23
78	Top-down fabrication of semiconductor nanowires with alternating structures along their longitudinal and transverse axes. <i>Small</i> , 2005 , 1, 1052-7	11	22
77	Reduction of carbon dioxide on photoexcited nanoparticles of VIII group metals. <i>Nanoscale</i> , 2019 , 11, 16723-16732	7.7	21

76	Facile tuning of superhydrophobic states with Ag nanoplates. <i>Nano Research</i> , 2008 , 1, 292-302	10	21
75	Quantitatively in Situ Imaging Silver Nanowire Hollowing Kinetics. <i>Nano Letters</i> , 2016 , 16, 6555-6559	11.5	21
74	Hollow AgI:Ag nanoframes as solar photocatalysts for hydrogen generation from water reduction. <i>ChemSusChem</i> , 2013 , 6, 1931-7	8.3	20
73	Silver chlorobromide nanocubes with significantly improved uniformity: synthesis and assembly into photonic crystals. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 58-65	7.1	20
72	Nanophase evolution at semiconductor/electrolyte interface in situ probed by time-resolved high-energy synchrotron X-ray diffraction. <i>Nano Letters</i> , 2010 , 10, 3747-53	11.5	20
71	Quantitative determination of fragmentation kinetics and thermodynamics of colloidal silver nanowires by in situ high-energy synchrotron X-ray diffraction. <i>Nanoscale</i> , 2014 , 6, 365-70	7.7	19
70	Recombination rates for single colloidal quantum dots near a smooth metal film. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 5867-70	3.6	18
69	Reversible Modulation of Surface Plasmons in Gold Nanoparticles Enabled by Surface Redox Chemistry. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8948-51	16.4	16
68	Comparative Study on the Growth of Silver Nanoplates on GaAs Substrates by Electron Microscopy, Synchrotron X-ray Diffraction, and Optical Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8928-8938	3.8	16
67	Geometry and surface state effects on the mechanical response of Au nanostructures. <i>International Journal of Materials Research</i> , 2004 , 95, 416-424		16
66	Three-electron reversible redox for a high-energy fluorophosphate cathode: NaVO(PO) ₂ F. <i>Chemical Communications</i> , 2019 , 55, 3979-3982	5.8	16
65	Promoting photocatalytic multiple-electron reduction in aerobic solutions using Au-tipped CdSe nanorod clusters. <i>Chemical Communications</i> , 2014 , 50, 1411-3	5.8	15
64	Inhibition of luminol and lucigenin chemiluminescence by reducing organic compounds. <i>Luminescence</i> , 1999 , 14, 175-82	2.5	15
63	Superior Capacitive Performance Enabled by Edge-Oriented and Interlayer-Expanded MoS ₂ Nanosheets Anchored on Reduced Graphene Oxide Sheets. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 4571-4576	3.9	14
62	Significant enhancement of photocatalytic water splitting enabled by elimination of surface traps in Pt-tipped CdSe nanorods. <i>Nanoscale</i> , 2016 , 8, 18621-18625	7.7	14
61	Reversible Modulation of Surface Plasmons in Gold Nanoparticles Enabled by Surface Redox Chemistry. <i>Angewandte Chemie</i> , 2015 , 127, 9076-9079	3.6	14
60	Silver chlorobromide nanoparticles with highly pure phases: synthesis and characterization. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6786	13	14
59	Synthesis of Out-of-Substrate Au/Ag Nanoplates with Enhanced Stability for Catalysis. <i>Angewandte Chemie</i> , 2009 , 121, 6956-6959	3.6	13

58	Selective Transfer Coupling of Nitrobenzene to Azoxybenzene on Rh Nanoparticle Catalyst Promoted by Photoexcited Hot Electrons. <i>ChemNanoMat</i> , 2019 , 5, 1000-1007	3.5	12
57	A novel chemiluminescent method for the determination of salicylic acid in bactericidal solutions. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 372, 601-4	4.4	12
56	Flow Injection Analysis of Tannic Acid with Inhibited Electrochemiluminescent Detection. <i>Analytical Letters</i> , 2000 , 33, 2281-2291	2.2	12
55	Enhanced optical absorption in semiconductor nanoparticles enabled by nearfield dielectric scattering. <i>Nano Research</i> , 2017 , 10, 1292-1301	10	11
54	Enabling selective aerobic oxidation of alcohols to aldehydes by hot electrons in quantum-sized Rh nanocubes. <i>Materials Today Energy</i> , 2018 , 10, 15-22	7	11
53	Laser-Driven Growth of Silver Nanoplates on p-Type GaAs Substrates and Their Surface-Enhanced Raman Scattering Activity. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6061-6067	3.8	10
52	Superstructured magnesium hydroxide sulfate hydrate fibres. <i>Solid State Sciences</i> , 2001 , 3, 151-156		10
51	Geometric Symmetry of Dielectric Antenna Influencing Light Absorption in Quantum-Sized Metal Nanocrystals: A Comparative Study. <i>Frontiers in Chemistry</i> , 2018 , 6, 494	5	10
50	Photocatalytic hot-carrier chemistry. <i>MRS Bulletin</i> , 2020 , 45, 20-25	3.2	9
49	In Situ Techniques for Probing Kinetics and Mechanism of Hollowing Nanostructures through Direct Chemical Transformations. <i>Small Methods</i> , 2018 , 2, 1800165	12.8	9
48	Thermal transformation of MnO ₂ nanoflowers studied by in-situ TEM. <i>Science China Chemistry</i> , 2012 , 55, 2346-2352	7.9	9
47	Synthesis of Ag Nanoplates on GaAs Wafers: Evidence for Growth Mechanism. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 857-863	3.8	9
46	Effects of visible and synchrotron x-ray radiation on the growth of silver nanoplates on n-GaAs wafers: A comparative study. <i>Applied Physics Letters</i> , 2008 , 92, 183109	3.4	9
45	In situ high-energy synchrotron X-ray diffraction revealing precipitation reaction kinetics of silver ions with mixed halide ions. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7492-7498	7.1	8
44	One stone, two birds: silica nanospheres significantly increase photocatalytic activity and colloidal stability of photocatalysts. <i>Nano Futures</i> , 2018 , 2, 015003	3.6	8
43	Enhanced photocatalysis by hybrid hierarchical assembly of plasmonic nanocrystals with high surface areas. <i>Catalysis Today</i> , 2014 , 225, 177-184	5.3	8
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