

Stephan Link

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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.

178 papers	27,323 citations	66 h-index	165 g-index
189 ext. papers	29,639 ext. citations	9.9 avg, IF	7.26 L-index

#	Paper	IF	Citations
178	Spectral Properties and Relaxation Dynamics of Surface Plasmon Electronic Oscillations in Gold and Silver Nanodots and Nanorods. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 8410-8426	3.4	3183
177	Plasmons in strongly coupled metallic nanostructures. <i>Chemical Reviews</i> , 2011 , 111, 3913-61	68.1	2348
176	Size and Temperature Dependence of the Plasmon Absorption of Colloidal Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 4212-4217	3.4	2085
175	Shape and size dependence of radiative, non-radiative and photothermal properties of gold nanocrystals. <i>International Reviews in Physical Chemistry</i> , 2000 , 19, 409-453	7	1790
174	Nano-optics from sensing to waveguiding. <i>Nature Photonics</i> , 2007 , 1, 641-648	33.9	1716
173	Simulation of the Optical Absorption Spectra of Gold Nanorods as a Function of Their Aspect Ratio and the Effect of the Medium Dielectric Constant. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 3073-3077	3.4	1285
172	Alloy Formation of GoldSilver Nanoparticles and the Dependence of the Plasmon Absorption on Their Composition. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 3529-3533	3.4	1180
171	Optical properties and ultrafast dynamics of metallic nanocrystals. <i>Annual Review of Physical Chemistry</i> , 2003 , 54, 331-66	15.7	1121
170	The Lightning Gold nanorods: fluorescence enhancement of over a million compared to the gold metal. <i>Chemical Physics Letters</i> , 2000 , 317, 517-523	2.5	693
169	Laser-Induced Shape Changes of Colloidal Gold Nanorods Using Femtosecond and Nanosecond Laser Pulses. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 6152-6163	3.4	666
168	Visible to Infrared Luminescence from a 28-Atom Gold Cluster. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 3410-3415	3.4	503
167	Plasmonic colour generation. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	435
166	Laser Photothermal Melting and Fragmentation of Gold Nanorods: Energy and Laser Pulse-Width Dependence. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 1165-1170	2.8	419
165	Electron dynamics in gold and goldSilver alloy nanoparticles: The influence of a nonequilibrium electron distribution and the size dependence of the electronphonon relaxation. <i>Journal of Chemical Physics</i> , 1999 , 111, 1255-1264	3.9	298
164	A plasmonic Fano switch. <i>Nano Letters</i> , 2012 , 12, 4977-82	11.5	291
163	Crystallographic facets and shapes of gold nanorods of different aspect ratios. <i>Surface Science</i> , 1999 , 440, L809-L814	1.8	268
162	How Does a Gold Nanorod Melt?#. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 7867-7870	3.4	264

161	Thermal Reshaping of Gold Nanorods in Micelles. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 9370-9374	3.4	259
160	Optical characterization of single plasmonic nanoparticles. <i>Chemical Society Reviews</i> , 2015 , 44, 40-57	58.5	258
159	Chiral templating of self-assembling nanostructures by circularly polarized light. <i>Nature Materials</i> , 2015 , 14, 66-72	27	251
158	Vivid, full-color aluminum plasmonic pixels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14348-53	11.5	243
157	Plasmonic nanorod absorbers as orientation sensors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2781-6	11.5	222
156	Electron Shuttling Across the Interface of CdSe Nanoparticles Monitored by Femtosecond Laser Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 1783-1788	3.4	209
155	The Relaxation Pathways of CdSe Nanoparticles Monitored with Femtosecond Time-Resolution from the Visible to the IR: Assignment of the Transient Features by Carrier Quenching. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 12286-12292	3.4	207
154	Femtosecond transient-absorption dynamics of colloidal gold nanorods: Shape independence of the electron-phonon relaxation time. <i>Physical Review B</i> , 2000 , 61, 6086-6090	3.3	187
153	Effects of symmetry breaking and conductive contact on the plasmon coupling in gold nanorod dimers. <i>ACS Nano</i> , 2010 , 4, 4657-66	16.7	186
152	One-Photon Plasmon Luminescence and Its Application to Correlation Spectroscopy as a Probe for Rotational and Translational Dynamics of Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 15938-15949	3.8	174
151	Chemical Interface Damping Depends on Electrons Reaching the Surface. <i>ACS Nano</i> , 2017 , 11, 2886-2893	16.7	170
150	Chiral plasmonics of self-assembled nanorod dimers. <i>Scientific Reports</i> , 2013 , 3, 1934	4.9	165
149	Using the plasmon linewidth to calculate the time and efficiency of electron transfer between gold nanorods and graphene. <i>ACS Nano</i> , 2013 , 7, 11209-17	16.7	158
148	Plasmon emission quantum yield of single gold nanorods as a function of aspect ratio. <i>ACS Nano</i> , 2012 , 6, 7177-84	16.7	156
147	Probing a century old prediction one plasmonic particle at a time. <i>Nano Letters</i> , 2010 , 10, 1398-404	11.5	150
146	In situ measurement of bovine serum albumin interaction with gold nanospheres. <i>Langmuir</i> , 2012 , 28, 9131-9	4	138
145	Adsorption of a Protein Monolayer via Hydrophobic Interactions Prevents Nanoparticle Aggregation under Harsh Environmental Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 833-842	8.3	138
144	Adsorption and Unfolding of a Single Protein Triggers Nanoparticle Aggregation. <i>ACS Nano</i> , 2016 , 10, 2103-12	16.7	135

143	High Chromaticity Aluminum Plasmonic Pixels for Active Liquid Crystal Displays. <i>ACS Nano</i> , 2016 , 10, 1108-17	16.7	131
142	Spectroscopic determination of the melting energy of a gold nanorod. <i>Journal of Chemical Physics</i> , 2001 , 114, 2362-2368	3.9	129
141	From tunable core-shell nanoparticles to plasmonic drawbridges: Active control of nanoparticle optical properties. <i>Science Advances</i> , 2015 , 1, e1500988	14.3	127
140	Energy transport in metal nanoparticle chains via sub-radiant plasmon modes. <i>Optics Express</i> , 2011 , 19, 6450-61	3.3	123
139	Electromagnetic energy transport in nanoparticle chains via dark plasmon modes. <i>Nano Letters</i> , 2012 , 12, 1349-53	11.5	121
138	How long does it take to melt a gold nanorod?. <i>Chemical Physics Letters</i> , 1999 , 315, 12-18	2.5	121
137	Noble metal nanowires: from plasmon waveguides to passive and active devices. <i>Accounts of Chemical Research</i> , 2012 , 45, 1887-95	24.3	119
136	Transition from nanoparticle to molecular behavior: a femtosecond transient absorption study of a size-selected 28 atom gold cluster. <i>Chemical Physics Letters</i> , 2002 , 356, 240-246	2.5	118
135	Active modulation of nanorod plasmons. <i>Nano Letters</i> , 2011 , 11, 3797-802	11.5	106
134	Unraveling the origin of chirality from plasmonic nanoparticle-protein complexes. <i>Science</i> , 2019 , 365, 1475-1478	33.3	104
133	Plasmonic Nanoparticles–Liquid Crystal Composites– <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7251-7253	7.8	98
132	Hot electron and phonon dynamics of gold nanoparticles embedded in a gel matrix. <i>Chemical Physics Letters</i> , 2001 , 343, 55-63	2.5	98
131	Single-particle spectroscopy reveals heterogeneity in electrochemical tuning of the localized surface plasmon. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 14047-55	3.4	93
130	One-dimensional coupling of gold nanoparticle plasmons in self-assembled ring superstructures. <i>Nano Letters</i> , 2009 , 9, 1152-7	11.5	90
129	Single-Particle Spectroscopy of Gold Nanorods beyond the Quasi-Static Limit: Varying the Width at Constant Aspect Ratio. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 4934-4938	3.8	88
128	Toward plasmonic polymers. <i>Nano Letters</i> , 2012 , 12, 3967-72	11.5	82
127	Plasmon damping depends on the chemical nature of the nanoparticle interface. <i>Science Advances</i> , 2019 , 5, eaav0704	14.3	80
126	Photoluminescence of Gold Nanorods: Purcell Effect Enhanced Emission from Hot Carriers. <i>ACS Nano</i> , 2018 , 12, 976-985	16.7	79

125	Relaxation of Plasmon-Induced Hot Carriers. <i>ACS Photonics</i> , 2018 , 5, 2584-2595	6.3	79
124	A plethora of plasmonics from the laboratory for nanophotonics at Rice University. <i>Advanced Materials</i> , 2012 , 24, 4842-77, 4774	24	76
123	New Transient Absorption Observed in the Spectrum of Colloidal CdSe Nanoparticles Pumped with High-Power Femtosecond Pulses. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 10775-10780	3.4	76
122	Circular Differential Scattering of Single Chiral Self-Assembled Gold Nanorod Dimers. <i>ACS Photonics</i> , 2015 , 2, 1602-1610	6.3	75
121	Effect of electric field on the photoluminescence intensity of single CdSe nanocrystals. <i>Chemical Physics</i> , 2007 , 341, 169-174	2.3	75
120	Hot Electron Relaxation Dynamics of Gold Nanoparticles Embedded in MgSO ₄ Powder Compared To Solution: The Effect of the Surrounding Medium. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 945-955	3.4	74
119	Characterizing Plasmons in Nanoparticles and Their Assemblies with Single Particle Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2015-2023	6.4	70
118	Synthesis and single-molecule imaging of highly mobile adamantane-wheeled nanocars. <i>ACS Nano</i> , 2013 , 7, 35-41	16.7	68
117	The pump power dependence of the femtosecond relaxation of CdSe nanoparticles observed in the spectral range from visible to infrared. <i>Journal of Chemical Physics</i> , 2002 , 116, 3828-3833	3.9	68
116	Plasmonic Sensing and Control of Single-Nanoparticle Electrochemistry. <i>Chem</i> , 2018 , 4, 1560-1585	16.2	67
115	Single-particle absorption spectroscopy by photothermal contrast. <i>Nano Letters</i> , 2015 , 15, 3041-7	11.5	66
114	Bleach-imaged plasmon propagation (BLIPP) in single gold nanowires. <i>Nano Letters</i> , 2010 , 10, 3482-5	11.5	66
113	Spiky Gold Nanoshells: Synthesis and Enhanced Scattering Properties. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 10318-10324	3.8	64
112	Chiral and Achiral Nanodumbbell Dimers: The Effect of Geometry on Plasmonic Properties. <i>ACS Nano</i> , 2016 , 10, 6180-8	16.7	64
111	Photoluminescence of a Plasmonic Molecule. <i>ACS Nano</i> , 2015 , 9, 7072-9	16.7	63
110	Micrometer-scale translation and monitoring of individual nanocars on glass. <i>ACS Nano</i> , 2009 , 3, 351-6	16.7	61
109	Single-Particle Plasmon Voltammetry (spPV) for Detecting Anion Adsorption. <i>Nano Letters</i> , 2016 , 16, 2314-21	11.5	60
108	Radiative and nonradiative properties of single plasmonic nanoparticles and their assemblies. <i>Accounts of Chemical Research</i> , 2012 , 45, 1936-45	24.3	59

107	Fluorescence correlation spectroscopy: criteria for analysis in complex systems. <i>Analytical Chemistry</i> , 2009 , 81, 746-54	7.8	57
106	Medium Effect on the Electron Cooling Dynamics in Gold Nanorods and Truncated Tetrahedra. <i>Advanced Materials</i> , 2003 , 15, 393-396	24	55
105	Identification of higher order long-propagation-length surface plasmon polariton modes in chemically prepared gold nanowires. <i>ACS Nano</i> , 2012 , 6, 8105-13	16.7	53
104	Low absorption losses of strongly coupled surface plasmons in nanoparticle assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 19879-84	11.5	49
103	Tuning the acoustic frequency of a gold nanodisk through its adhesion layer. <i>Nature Communications</i> , 2015 , 6, 7022	17.4	48
102	Turning the corner: efficient energy transfer in bent plasmonic nanoparticle chain waveguides. <i>Nano Letters</i> , 2013 , 13, 4779-84	11.5	46
101	Enhancing the Sensitivity of Single-Particle Photothermal Imaging with Thermotropic Liquid Crystals. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1393-9	6.4	46
100	Comparison of the dynamics of the primary events of bacteriorhodopsin in its trimeric and monomeric states. <i>Biophysical Journal</i> , 2002 , 83, 1557-66	2.9	46
99	Hot Holes Assist Plasmonic Nanoelectrode Dissolution. <i>Nano Letters</i> , 2019 , 19, 1301-1306	11.5	46
98	Measurement of the intensity and phase of attojoule femtosecond light pulses using Optical-Parametric-Amplification Cross-Correlation Frequency-Resolved Optical Gating. <i>Optics Express</i> , 2003 , 11, 601-9	3.3	45
97	Correlated Absorption and Scattering Spectroscopy of Individual Platinum-Decorated Gold Nanorods Reveals Strong Excitation Enhancement in the Nonplasmonic Metal. <i>ACS Nano</i> , 2017 , 11, 12346-12357	16.7	43
96	Optomechanics of Single Aluminum Nanodisks. <i>Nano Letters</i> , 2017 , 17, 2575-2583	11.5	42
95	Some properties of spherical and rod-shaped semiconductor and metal nanocrystals. <i>Pure and Applied Chemistry</i> , 2002 , 74, 1675-1692	2.1	41
94	Single quantum dot controls a plasmonic cavity's scattering and anisotropy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12288-92	11.5	40
93	Anti-Stokes Emission from Hot Carriers in Gold Nanorods. <i>Nano Letters</i> , 2019 , 19, 1067-1073	11.5	38
92	Vibrational coupling in plasmonic molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 11621-11626	11.5	37
91	Quadrupole-enhanced Raman scattering. <i>ACS Nano</i> , 2014 , 8, 9025-34	16.7	36
90	Spectroelectrochemistry of Halide Anion Adsorption and Dissolution of Single Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20604-20612	3.8	35

89	Influence of cross sectional geometry on surface plasmon polariton propagation in gold nanowires. <i>ACS Nano</i> , 2014 , 8, 572-80	16.7	34
88	Single-Crystalline Copper Nano-Octahedra. <i>Chemistry of Materials</i> , 2015 , 27, 8185-8188	9.6	34
87	Absorption Spectroscopy of an Individual Fano Cluster. <i>Nano Letters</i> , 2016 , 16, 6497-6503	11.5	32
86	Dye-assisted gain of strongly confined surface plasmon polaritons in silver nanowires. <i>Nano Letters</i> , 2014 , 14, 3628-33	11.5	30
85	Structure and dynamics of conjugated polymers in liquid crystalline solvents. <i>Annual Review of Physical Chemistry</i> , 2007 , 58, 565-84	15.7	30
84	Increased Intraband Transitions in Smaller Gold Nanorods Enhance Light Emission. <i>ACS Nano</i> , 2020 , 14, 15757-15765	16.7	30
83	Ultrafast Electron Dynamics in Single Aluminum Nanostructures. <i>Nano Letters</i> , 2019 , 19, 3091-3097	11.5	28
82	Accurately determining single molecule trajectories of molecular motion on surfaces. <i>Journal of Chemical Physics</i> , 2009 , 130, 164710	3.9	28
81	Femtosecond Dynamics of a Simple Merocyanine Dye: Does Deprotonation Compete with Isomerization?. <i>Journal of the American Chemical Society</i> , 2000 , 122, 6720-6726	16.4	28
80	Spectral Response of Plasmonic Gold Nanoparticles to Capacitive Charging: Morphology Effects. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2681-2688	6.4	27
79	Transfer times of electrons and holes across the interface in CdS/HgS/CdS quantum dot quantum well nanoparticles. <i>Chemical Physics Letters</i> , 2002 , 361, 446-452	2.5	27
78	Chemical Interface Damping of Surface Plasmon Resonances. <i>Accounts of Chemical Research</i> , 2021 , 54, 1950-1960	24.3	27
77	Single-Particle Emission Spectroscopy Resolves d-Hole Relaxation in Copper Nanocubes. <i>ACS Energy Letters</i> , 2019 , 4, 2458-2465	20.1	26
76	Environmental Symmetry Breaking Promotes Plasmon Mode Splitting in Gold Nanotriangles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13259-13266	3.8	26
75	Why is the thermalization of excited electrons in semiconductor nanoparticles so rapid? Studies on CdSe nanoparticles. <i>Chemical Physics Letters</i> , 2003 , 373, 284-291	2.5	26
74	Charge Separation Effects on the Rate of Nonradiative Relaxation Processes in Quantum Dots/Quantum Well Heteronanostructures. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 6581-6584	2.8	26
73	Polycrystallinity of Lithographically Fabricated Plasmonic Nanostructures Dominates Their Acoustic Vibrational Damping. <i>Nano Letters</i> , 2018 , 18, 3494-3501	11.5	25
72	Optical characterization of chiral plasmonic nanostructures. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2017 , 32, 40-57	16.4	23

71	Improved analysis for determining diffusion coefficients from short, single-molecule trajectories with photoblinking. <i>Langmuir</i> , 2013 , 29, 228-34	4	23
70	Room temperature optical gain in CdSe nanorod solutions. <i>Journal of Applied Physics</i> , 2002 , 92, 6799-6803	3.5	23
69	Influence of the Substrate on the Mobility of Individual Nanocars. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3288-3291	6.4	22
68	Picosecond Self-Induced Thermal Lensing from Colloidal Silver Nanodisks. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 5230-5234	3.4	22
67	Interfacial States Cause Equal Decay of Plasmons and Hot Electrons at Gold-Metal Oxide Interfaces. <i>Nano Letters</i> , 2020 , 20, 3338-3343	11.5	21
66	Laser-Induced Spectral Hole-Burning through a Broadband Distribution of Au Nanorods. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20518-20524	3.8	21
65	Seeing double: coupling between substrate image charges and collective plasmon modes in self-assembled nanoparticle superstructures. <i>ACS Nano</i> , 2011 , 5, 4892-901	16.7	21
64	Nematic solvation of segmented polymer chains. <i>Nano Letters</i> , 2005 , 5, 1757-60	11.5	21
63	Exploring the Relationship between Plasmon Damping and Luminescence in Lithographically Prepared Gold Nanorods. <i>ACS Photonics</i> , 2018 , 5, 3541-3549	6.3	20
62	Controlled Overgrowth of Five-Fold Concave Nanoparticles into Plasmonic Nanostars and Their Single-Particle Scattering Properties. <i>ACS Nano</i> , 2019 , 13, 10113-10128	16.7	20
61	DNA-Enabled Chiral Gold Nanoparticle-Chromophore Hybrid Structure with Resonant Plasmon-Exciton Coupling Gives Unusual and Strong Circular Dichroism. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19336-19341	16.4	20
60	Optimization of Spectral and Spatial Conditions to Improve Super-Resolution Imaging of Plasmonic Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 299-306	6.4	19
59	Snapshot Hyperspectral Imaging (SHI) for Revealing Irreversible and Heterogeneous Plasmonic Processes. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 6865-6875	3.8	19
58	Impurity-induced plasmon damping in individual cobalt-doped hollow Au nanoshells. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 14056-61	3.4	19
57	Gold Nanotetrapods with Unique Topological Structure and Ultranarrow Plasmonic Band as Multifunctional Therapeutic Agents. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4505-4510	6.4	18
56	Plasmonic polymers unraveled through single particle spectroscopy. <i>Nanoscale</i> , 2014 , 6, 11451-61	7.7	17
55	Measuring the Hydrodynamic Size of Nanoparticles Using Fluctuation Correlation Spectroscopy. <i>Annual Review of Physical Chemistry</i> , 2016 , 67, 489-514	15.7	17
54	Patterning of supported gold monolayers via chemical lift-off lithography. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 2648-2661	3	15

53	Particle Plasmons as Dipole Antennas: State Representation of Relative Observables. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19116-19123	3.8	15
52	Active Far-Field Control of the Thermal Near-Field Plasmon Hybridization. <i>ACS Nano</i> , 2019 , 13, 9655-9663	3.7	15
51	Single molecule spectroscopy of conjugated polymer chains in an electric field-aligned liquid crystal. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 448-53	3.4	15
50	Determination of the localization times of electrons and holes in the HgS well in a CdS/HgS/CdS quantum dot-quantum well nanoparticle. <i>Physical Review B</i> , 2002 , 66,	3.3	15
49	Synthesis of fluorescent dye-tagged nanomachines for single-molecule fluorescence spectroscopy. <i>Journal of Organic Chemistry</i> , 2010 , 75, 6631-43	4.2	14
48	Orthogonal orientations for solvation of polymer molecules in smectic solvents. <i>Physical Review Letters</i> , 2006 , 96, 017801	7.4	14
47	Imaging and Spectroscopy of Single Metal Nanostructure Absorption. <i>Langmuir</i> , 2018 , 34, 3775-3786	4	13
46	Chain-length dependent nematic ordering of conjugated polymers in a liquid crystal solvent. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12262-3	16.4	12
45	Exploiting Evanescent Field Polarization for Giant Chiroptical Modulation from Achiral Gold Half-Rings. <i>ACS Nano</i> , 2018 , 12, 11657-11663	16.7	12
44	Nanophotonic Approaches for Chirality Sensing. <i>ACS Nano</i> , 2021 , 15, 15538-15566	16.7	11
43	Single-particle scattering spectroscopy: fundamentals and applications. <i>Nanophotonics</i> , 2021 , 10, 1621-1655	16.5	11
42	Scattering Properties of Individual Hedgehog Particles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 120153-120160	3.8	10
41	Au@CdSe heteroepitaxial nanorods: An example of metal nanorods fully covered by a semiconductor shell with strong photo-induced interfacial charge transfer effects. <i>Journal of Colloid and Interface Science</i> , 2018 , 532, 143-152	9.3	10
40	Fluorescence Correlation Spectroscopy of Magnetite Nanocrystal Diffusion. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 844-848	3.8	10
39	Electrodissolution Inhibition of Gold Nanorods with Oxoanions. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 13983-13992	3.8	9
38	Acoustic Vibrations of Al Nanocrystals: Size, Shape, and Crystallinity Revealed by Single-Particle Transient Extinction Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 3924-3934	2.8	9
37	Using Particle Lithography to Tailor the Architecture of Au Nanoparticle Plasmonic Nanoring Arrays. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 730-736	3.4	9
36	Optical Characterization of Gold Nanoblock Dimers: From Capacitive Coupling to Charge Transfer Plasmons and Rod Modes. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 18005-18011	3.8	9

35	Mechanistic study of bleach-imaged plasmon propagation (BLIPP). <i>Journal of Physical Chemistry B</i> , 2013 , 117, 4611-7	3.4	9
34	PSF Distortion in Dye-Plasmonic Nanomaterial Interactions: Friend or Foe?. <i>ACS Photonics</i> , 2019 , 6, 699-708	3.3	9
33	Synthesis of a fluorescent BODIPY-tagged ROMP catalyst and initial polymerization-propelled diffusion studies. <i>Tetrahedron</i> , 2015 , 71, 5965-5972	2.4	8
32	Polarized evanescent waves reveal trochoidal dichroism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 16143-16148	11.5	8
31	Plasmon Energy Transfer in Hybrid Nanoantennas. <i>ACS Nano</i> , 2021 , 15, 9522-9530	16.7	8
30	Light emission from plasmonic nanostructures. <i>Journal of Chemical Physics</i> , 2021 , 155, 060901	3.9	8
29	Quantitative Analysis of Nanorod Aggregation and Morphology from Scanning Electron Micrographs Using SEMseg. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 5262-5270	2.8	7
28	Nanoelectrode-emitter spectral overlap amplifies surface enhanced electrogenerated chemiluminescence. <i>Journal of Chemical Physics</i> , 2019 , 151, 144712	3.9	7
27	Anisotropic diffusion of elongated and aligned polymer chains in a nematic solvent. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 19799-803	3.4	7
26	Tuning Electrogenerated Chemiluminescence Intensity Enhancement Using Hexagonal Lattice Arrays of Gold Nanodisks. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2516-2522	6.4	7
25	Nano-optics from sensing to waveguiding 2009 , 213-220		6
24	Nanoscale Surface-Induced Unfolding of Single Fibronectin Is Restricted by Serum Albumin Crowding. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1170-1177	6.4	5
23	Detailed mechanism for the orthogonal polarization switching of gold nanorod plasmons. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 4195-204	3.6	5
22	Acoustic Vibrations and Energy Dissipation Mechanisms for Lithographically Fabricated Plasmonic Nanostructures Revealed by Single-Particle Transient Extinction Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1621-1636	3.8	5
21	Modal interference in spiky nanoshells. <i>Optics Express</i> , 2015 , 23, 11290-311	3.3	4
20	A Kirchhoff solution to plasmon hybridization. <i>Applied Physics B: Lasers and Optics</i> , 2013 , 113, 519-525	1.9	4
19	Plasmonic Materials: A Plethora of Plasmonics from the Laboratory for Nanophotonics at Rice University (Adv. Mater. 36/2012). <i>Advanced Materials</i> , 2012 , 24, 4774-4774	24	4
18	Numerical simulations of optical parametric amplification cross-correlation frequency-resolved optical gating. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 318	1.7	4

17	Single-Particle Hyperspectral Imaging Reveals Kinetics of Silver Ion Leaching from Alloy Nanoparticles. <i>ACS Nano</i> , 2021 , 15, 8363-8375	16.7	4
16	Machine-Learned Decision Trees for Predicting Gold Nanorod Sizes from Spectra. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 19353-19361	3.8	4
15	Wavelength-Dependent Photothermal Imaging Probes Nanoscale Temperature Differences among Subdiffraction Coupled Plasmonic Nanorods. <i>Nano Letters</i> , 2021 , 21, 5386-5393	11.5	2
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