

Catherine Jones Murphy

List of Publications by Year in descending order

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Version: 2024-02-01

373
papers

51,078
citations

3264

94
h-index

1551

223
g-index

385
all docs

385
docs citations

385
times ranked

49939
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulating and Directionally Controlling Electron Emission from Gold Nanorods with Silica Coatings. <i>Nano Letters</i> , 2022, 22, 644-651.	4.5	8
2	Nanoparticle tracking analysis and statistical mixture distribution analysis to quantify nanoparticle-vesicle binding. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 50-58.	5.0	5
3	Opportunities for Electrocatalytic CO ₂ Reduction Enabled by Surface Ligands. <i>Journal of the American Chemical Society</i> , 2022, 144, 2829-2840.	6.6	60
4	Anisotropic silica coating on gold nanorods boosts their potential as SERS sensors. <i>Nanoscale</i> , 2022, 14, 5214-5226.	2.8	20
5	PLGA-Gold Nanocomposite: Preparation and Biomedical Applications. <i>Pharmaceutics</i> , 2022, 14, 660.	2.0	8
6	Isolation Methods Influence the Protein Corona Composition on Gold-Coated Iron Oxide Nanoparticles. <i>Analytical Chemistry</i> , 2022, 94, 4737-4746.	3.2	8
7	Dynamic aqueous transformations of lithium cobalt oxide nanoparticle induce distinct oxidative stress responses of <i>B. subtilis</i> . <i>Environmental Science: Nano</i> , 2021, 8, 1614-1627.	2.2	3
8	Multicolor polymeric carbon dots: synthesis, separation and polyamide-supported molecular fluorescence. <i>Chemical Science</i> , 2021, 12, 2441-2455.	3.7	82
9	Nanoparticles Interfere with Chemotaxis: An Example of Nanoparticles as Molecular "Knockouts" at the Cellular Level. <i>ACS Nano</i> , 2021, 15, 8813-8825.	7.3	6
10	Surface-Enhanced Raman Spectroscopy-Scanning Electrochemical Microscopy: Observation of Real-Time Surface pH Perturbations. <i>Analytical Chemistry</i> , 2021, 93, 7792-7796.	3.2	12
11	Large scale self-assembly of plasmonic nanoparticles on deformed graphene templates. <i>Scientific Reports</i> , 2021, 11, 12232.	1.6	10
12	Size Effects in Gold Nanorod Light-to-Heat Conversion under Femtosecond Illumination. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16268-16278.	1.5	18
13	How Do Proteins Associate with Nanoscale Metal-Organic Framework Surfaces?. <i>Langmuir</i> , 2021, 37, 9910-9919.	1.6	9
14	Ensemble effects in Cu/Au ultrasmall nanoparticles control the branching point for C1 selectivity during CO ₂ electroreduction. <i>Chemical Science</i> , 2021, 12, 9146-9152.	3.7	9
15	Reciprocal redox interactions of lithium cobalt oxide nanoparticles with nicotinamide adenine dinucleotide (NADH) and glutathione (GSH): toward a mechanistic understanding of nanoparticle-biological interactions. <i>Environmental Science: Nano</i> , 2021, 8, 1749-1760.	2.2	7
16	Controlling the Spatial and Momentum Distributions of Plasmonic Carriers: Volume vs Surface Effects. <i>ACS Nano</i> , 2021, 15, 1566-1578.	7.3	15
17	Network-based analysis implies critical roles of microRNAs in the long-term cellular responses to gold nanoparticles. <i>Nanoscale</i> , 2020, 12, 21172-21187.	2.8	7
18	Update to Our Reader, Reviewer, and Author Communities"April 2020. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2707-2708.	2.6	0

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19	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Central Science, 2020, 6, 589-590.	5.3	0
20	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Chemical Biology, 2020, 15, 1282-1283.	1.6	0
21	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Chemical Neuroscience, 2020, 11, 1196-1197.	1.7	0
22	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Earth and Space Chemistry, 2020, 4, 672-673.	1.2	0
23	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Energy Letters, 2020, 5, 1610-1611.	8.8	1
24	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Macro Letters, 2020, 9, 666-667.	2.3	0
25	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. , 2020, 2, 563-564.		0
26	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Nano, 2020, 14, 5151-5152.	7.3	2
27	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Photonics, 2020, 7, 1080-1081.	3.2	0
28	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Pharmacology and Translational Science, 2020, 3, 455-456.	2.5	0
29	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Sustainable Chemistry and Engineering, 2020, 8, 6574-6575.	3.2	0
30	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Analytical Chemistry, 2020, 92, 6187-6188.	3.2	0
31	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Chemistry of Materials, 2020, 32, 3678-3679.	3.2	0
32	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Environmental Science and Technology Letters, 2020, 7, 280-281.	3.9	1
33	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Chemical Education, 2020, 97, 1217-1218.	1.1	1
34	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Proteome Research, 2020, 19, 1883-1884.	1.8	0
35	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Applied Polymer Materials, 2020, 2, 1739-1740.	2.0	0
36	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Combinatorial Science, 2020, 22, 223-224.	3.8	0

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37	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Medicinal Chemistry Letters, 2020, 11, 1060-1061.	1.3	0
38	Interaction of Alpha-Synuclein and Its Mutants with Rigid Lipid Vesicle Mimics of Varying Surface Curvature. ACS Nano, 2020, 14, 10153-10167.	7.3	16
39	Gold nanoparticles disrupt actin organization and pulmonary endothelial barriers. Scientific Reports, 2020, 10, 13320.	1.6	8
40	Effect of surface ligands on gold nanocatalysts for CO ₂ reduction. Chemical Science, 2020, 11, 12298-12306.	3.7	24
41	Anionic nanoparticle-induced perturbation to phospholipid membranes affects ion channel function. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27854-27861.	3.3	24
42	Ligand Length and Surface Curvature Modulate Nanoparticle Surface Heterogeneity and Electrostatics. Journal of Physical Chemistry C, 2020, 124, 24513-24525.	1.5	8
43	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Biochemistry, 2020, 59, 1641-1642.	1.2	0
44	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Chemical & Engineering Data, 2020, 65, 2253-2254.	1.0	0
45	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Organic Process Research and Development, 2020, 24, 872-873.	1.3	0
46	A golden time for nanotechnology. MRS Bulletin, 2020, 45, 387-393.	1.7	6
47	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Omega, 2020, 5, 9624-9625.	1.6	0
48	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Applied Electronic Materials, 2020, 2, 1184-1185.	2.0	0
49	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Applied Materials & Interfaces, 2020, 12, 20147-20148.	4.0	5
50	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Physical Chemistry C, 2020, 124, 9629-9630.	1.5	0
51	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Physical Chemistry Letters, 2020, 11, 3571-3572.	2.1	0
52	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Synthetic Biology, 2020, 9, 979-980.	1.9	0
53	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Applied Energy Materials, 2020, 3, 4091-4092.	2.5	0
54	Gold nanorod impact on mechanical properties of stretchable hydrogels. Soft Matter, 2020, 16, 6582-6590.	1.2	7

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55	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Chemical Theory and Computation, 2020, 16, 2881-2882.	2.3	0
56	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Agricultural and Food Chemistry, 2020, 68, 5019-5020.	2.4	0
57	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Physical Chemistry B, 2020, 124, 3603-3604.	1.2	0
58	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Applied Nano Materials, 2020, 3, 3960-3961.	2.4	0
59	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Natural Products, 2020, 83, 1357-1358.	1.5	0
60	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Bioconjugate Chemistry, 2020, 31, 1211-1212.	1.8	0
61	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Chemical Health and Safety, 2020, 27, 133-134.	1.1	0
62	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Chemical Research in Toxicology, 2020, 33, 1509-1510.	1.7	0
63	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Energy & Fuels, 2020, 34, 5107-5108.	2.5	0
64	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Applied Bio Materials, 2020, 3, 2873-2874.	2.3	0
65	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Organic Chemistry, 2020, 85, 5751-5752.	1.7	0
66	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of the American Society for Mass Spectrometry, 2020, 31, 1006-1007.	1.2	0
67	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Accounts of Chemical Research, 2020, 53, 1001-1002.	7.6	0
68	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Biomacromolecules, 2020, 21, 1966-1967.	2.6	0
69	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Chemical Reviews, 2020, 120, 3939-3940.	23.0	0
70	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Environmental Science & Technology, 2020, 54, 5307-5308.	4.6	0
71	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Langmuir, 2020, 36, 4565-4566.	1.6	0
72	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Molecular Pharmaceutics, 2020, 17, 1445-1446.	2.3	0

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73	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Infectious Diseases, 2020, 6, 891-892.	1.8	0
74	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Crystal Growth and Design, 2020, 20, 2817-2818.	1.4	1
75	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Medicinal Chemistry, 2020, 63, 4409-4410.	2.9	0
76	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Physical Chemistry A, 2020, 124, 3501-3502.	1.1	0
77	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Nano Letters, 2020, 20, 2935-2936.	4.5	0
78	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. ACS Sensors, 2020, 5, 1251-1252.	4.0	0
79	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of Chemical Information and Modeling, 2020, 60, 2651-2652.	2.5	0
80	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Industrial & Engineering Chemistry Research, 2020, 59, 8509-8510.	1.8	0
81	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Journal of the American Chemical Society, 2020, 142, 8059-8060.	6.6	3
82	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Inorganic Chemistry, 2020, 59, 5796-5797.	1.9	0
83	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Organometallics, 2020, 39, 1665-1666.	1.1	0
84	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Organic Letters, 2020, 22, 3307-3308.	2.4	0
85	Surface Coating Structure and Its Interaction with Cytochrome <i>c</i> in EG ₆ -Coated Nanoparticles Varies with Surface Curvature. Langmuir, 2020, 36, 5030-5039.	1.6	10
86	Facile Functionalization of Gold Nanoparticles with PLGA Polymer Brushes and Efficient Encapsulation into PLGA Nanoparticles: Toward Spatially Precise Bioimaging of Polymeric Nanoparticles. Particle and Particle Systems Characterization, 2019, 36, 1800414.	1.2	18
87	Quantitative Imaging of Organic Ligand Density on Anisotropic Inorganic Nanocrystals. Nano Letters, 2019, 19, 6308-6314.	4.5	50
88	Quantitative Chemical Mapping of Anisotropic Molecular Distributions on Gold Nanorods. Microscopy and Microanalysis, 2019, 25, 1772-1773.	0.2	0
89	Virus-Sized Gold Nanorods: Plasmonic Particles for Biology. Accounts of Chemical Research, 2019, 52, 2124-2135.	7.6	54
90	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry A, 2019, 123, 5837-5848.	1.1	2

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91	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry B, 2019, 123, 5973-5984.	1.2	1
92	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry C, 2019, 123, 17063-17074.	1.5	1
93	The <i>JPC</i> Periodic Table. Journal of Physical Chemistry Letters, 2019, 10, 4051-4062.	2.1	2
94	Defects in Self-Assembled Monolayers on Nanoparticles Prompt Phospholipid Extraction and Bilayer-Curvature-Dependent Deformations. Journal of Physical Chemistry C, 2019, 123, 27951-27958.	1.5	11
95	Young Scientists Virtual Special Issue. Journal of Physical Chemistry C, 2019, 123, 20689-20690.	1.5	0
96	Young Scientists Virtual Special Issue. Journal of Physical Chemistry A, 2019, 123, 7335-7336.	1.1	1
97	Young Scientists Virtual Special Issue. Journal of Physical Chemistry B, 2019, 123, 7241-7242.	1.2	0
98	Editorial for January 2019 for JPC A/B/C. Journal of Physical Chemistry B, 2019, 123, 1-9.	1.2	2
99	Two-Phase Synthesis of Goldâ€™Copper Bimetallic Nanoparticles of Tunable Composition: Toward Optimized Catalytic CO₂ Reduction. ACS Applied Nano Materials, 2019, 2, 3989-3998.	2.4	22
100	Preferential Binding of Cytochrome <i>c</i> to Anionic Ligand-Coated Gold Nanoparticles: A Complementary Computational and Experimental Approach. ACS Nano, 2019, 13, 6856-6866.	7.3	31
101	Implications of aspect ratio on the uptake and nanotoxicity of gold nanomaterials. NanoImpact, 2019, 14, 100153.	2.4	8
102	Ultrasonic Nebulization for TEM Sample Preparation on Single-Layer Graphene Grids. Nano Letters, 2019, 19, 1938-1943.	4.5	11
103	Solution NMR Analysis of Ligand Environment in Quaternary Ammonium-Terminated Self-Assembled Monolayers on Gold Nanoparticles: The Effect of Surface Curvature and Ligand Structure. Journal of the American Chemical Society, 2019, 141, 4316-4327.	6.6	66
104	Editorial for January 2019 for JPC A/B/C. Journal of Physical Chemistry C, 2019, 123, 1-9.	1.5	3
105	Editorial for January 2019 for JPC A/B/C. Journal of Physical Chemistry A, 2019, 123, 1-9.	1.1	2
106	Mini Gold Nanorods with Tunable Plasmonic Peaks beyond 1000 nm. Chemistry of Materials, 2018, 30, 1427-1435.	3.2	161
107	Using an environmentally-relevant panel of Gram-negative bacteria to assess the toxicity of polyallylamine hydrochloride-wrapped gold nanoparticles. Environmental Science: Nano, 2018, 5, 279-288.	2.2	32
108	Editorial for January 2018 for JPC A/B/C. Journal of Physical Chemistry A, 2018, 122, 1-7.	1.1	1

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109	Editorial for January 2018 for JPC A/B/C. Journal of Physical Chemistry C, 2018, 122, 1-7.	1.5	2
110	Editorial for January 2018 for JPC A/B/C. Journal of Physical Chemistry B, 2018, 122, 1-7.	1.2	2
111	Metagenomic analysis of microbial communities yields insight into impacts of nanoparticle design. Nature Nanotechnology, 2018, 13, 253-259.	15.6	51
112	New Sections for JPC A/B/C. Journal of Physical Chemistry A, 2018, 122, 2611-2611.	1.1	0
113	New Sections for JPC A/B/C. Journal of Physical Chemistry C, 2018, 122, 5215-5215.	1.5	0
114	New Sections for JPC A/B/C. Journal of Physical Chemistry B, 2018, 122, 2703-2703.	1.2	0
115	Density, Structure, and Stability of Citrate ³⁻ and H ₂ citrate ⁻ on Bare and Coated Gold Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 28393-28404.	1.5	23
116	Quantification of Lipid Corona Formation on Colloidal Nanoparticles from Lipid Vesicles. Analytical Chemistry, 2018, 90, 14387-14394.	3.2	41
117	Lipid Corona Formation from Nanoparticle Interactions with Bilayers. Chem, 2018, 4, 2709-2723.	5.8	46
118	Quantitative Chemical Mapping of Soft-Hard Interfaces on Gold Nanorods. Microscopy and Microanalysis, 2018, 24, 1674-1675.	0.2	0
119	Density, Elastic Constants, and Thermal Conductivity of Interfacially Polymerized Polyamide Films for Reverse Osmosis Membranes. ACS Applied Nano Materials, 2018, 1, 5008-5018.	2.4	18
120	Layer-by-Layer Synthesis of Conformal Metal-Organic Framework Shells on Gold Nanorods. Chemistry of Materials, 2018, 30, 7255-7261.	3.2	34
121	Peripheral Membrane Proteins Facilitate Nanoparticle Binding at Lipid Bilayer Interfaces. Langmuir, 2018, 34, 10793-10805.	1.6	24
122	Plasmon-enhanced upconversion: engineering enhancement and quenching at nano and macro scales. Optical Materials Express, 2018, 8, 3787.	1.6	13
123	(Keynote) Surfactant and Halide Control in Gold Nanorod Synthesis. ECS Meeting Abstracts, 2018, , .	0.0	0
124	Growth-Based Bacterial Viability Assay for Interference-Free and High-Throughput Toxicity Screening of Nanomaterials. Analytical Chemistry, 2017, 89, 2057-2064.	3.2	45
125	Sulfate-Mediated End-to-End Assembly of Gold Nanorods. Langmuir, 2017, 33, 1486-1495.	1.6	31
126	Influence of gold nanoparticle surface chemistry and diameter upon Alzheimer's disease amyloid- β^2 protein aggregation. Journal of Biological Engineering, 2017, 11, 5.	2.0	63

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127	Introducing Students to Surface Modification and Phase Transfer of Nanoparticles with a Laboratory Experiment. <i>Journal of Chemical Education</i> , 2017, 94, 769-774.	1.1	9
128	Cascading Effects of Nanoparticle Coatings: Surface Functionalization Dictates the Assemblage of Complexed Proteins and Subsequent Interaction with Model Cell Membranes. <i>ACS Nano</i> , 2017, 11, 5489-5499.	7.3	57
129	Research highlights: investigating the role of nanoparticle surface charge in nano-bio interactions. <i>Environmental Science: Nano</i> , 2017, 4, 741-746.	2.2	17
130	Quantification of Free Polyelectrolytes Present in Colloidal Suspension, Revealing a Source of Toxic Responses for Polyelectrolyte-Wrapped Gold Nanoparticles. <i>Analytical Chemistry</i> , 2017, 89, 1823-1830.	3.2	29
131	Understanding the Seed-Mediated Growth of Gold Nanorods through a Fractional Factorial Design of Experiments. <i>Langmuir</i> , 2017, 33, 1891-1907.	1.6	154
132	New Advances in Nanotechnology-Based Diagnosis and Therapeutics for Breast Cancer: An Assessment of Active-Targeting Inorganic Nanoplatforms. <i>Bioconjugate Chemistry</i> , 2017, 28, 135-152.	1.8	95
133	Virtual Issue on Metal-Halide Perovskite Nanocrystals – A Bright Future for Optoelectronics. <i>Chemistry of Materials</i> , 2017, 29, 8915-8917.	3.2	16
134	Virtual Issue in Honor of the 150th Birthday of Marie Curie: Highlighting Female Physical Chemists. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23849-23851.	1.5	0
135	Nanomaterial Probes in the Environment: Gold Nanoparticle Soil Retention and Environmental Stability as a Function of Surface Chemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11451-11458.	3.2	22
136	A Demonstration of Le Chatelier's Principle on the Nanoscale. <i>ACS Central Science</i> , 2017, 3, 1096-1102.	5.3	28
137	Virtual Issue in Honor of the 150th Birthday of Marie Curie: Highlighting Female Physical Chemists. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8185-8187.	1.1	0
138	Virtual Issue in Honor of the 150th Birthday of Marie Curie: Highlighting Female Physical Chemists. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5306-5308.	2.1	0
139	Virtual Issue in Honor of the 150th Birthday of Marie Curie: Highlighting Female Physical Chemists. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9983-9985.	1.2	0
140	What is "New Physical Insight"? Answers for the Colloidal Nanoplasmonic, Nanobio Community and Others. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12979-12979.	1.5	0
141	Oxidation State of Capping Agent Affects Spatial Reactivity on Gold Nanorods. <i>Journal of the American Chemical Society</i> , 2017, 139, 9851-9854.	6.6	49
142	Protein Adsorption to Charged Gold Nanospheres as a Function of Protein Deformability. <i>Langmuir</i> , 2017, 33, 7751-7761.	1.6	45
143	In solution SERS sensing using mesoporous silica-coated gold nanorods. <i>Analyst</i> , 2016, 141, 5088-5095.	1.7	49
144	Co-transport of gold nanospheres with single-walled carbon nanotubes in saturated porous media. <i>Water Research</i> , 2016, 99, 7-15.	5.3	36

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145	Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. <i>Environmental Science & Technology</i> , 2016, 50, 6124-6145.	4.6	191
146	Surface Chemistry of Gold Nanorods. <i>Langmuir</i> , 2016, 32, 9905-9921.	1.6	156
147	One low-dose exposure of gold nanoparticles induces long-term changes in human cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13318-13323.	3.3	124
148	On Electronic and Charge Interference in Second Harmonic Generation Responses from Gold Metal Nanoparticles at Supported Lipid Bilayers. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20659-20667.	1.5	29
149	Seed mediated growth of gold nanorods: towards nanorod matryoshkas. <i>Faraday Discussions</i> , 2016, 191, 9-33.	1.6	45
150	Anisotropic Nanoparticles and Anisotropic Surface Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 632-641.	2.1	162
151	Editorial for January 2016 for <i>JPC A/B/C</i> . <i>Journal of Physical Chemistry A</i> , 2016, 120, 1-4.	1.1	2
152	Identification of Nanoparticles with a Colorimetric Sensor Array. <i>ACS Sensors</i> , 2016, 1, 17-21.	4.0	55
153	Recent Progress in Cancer Thermal Therapy Using Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4691-4716.	1.5	778
154	Editorial for January 2016 for <i>JPC A/B/C</i> . <i>Journal of Physical Chemistry B</i> , 2016, 120, 1-4.	1.2	3
155	Editorial for January 2016 for <i>JPC A/B/C</i> . <i>Journal of Physical Chemistry C</i> , 2016, 120, 1-4.	1.5	4
156	Thermal Transport across Surfactant Layers on Gold Nanorods in Aqueous Solution. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10581-10589.	4.0	50
157	NanoEHS “defining fundamental science needs: no easy feat when the simple itself is complex. <i>Environmental Science: Nano</i> , 2016, 3, 15-27.	2.2	53
158	Formation of supported lipid bilayers containing phase-segregated domains and their interaction with gold nanoparticles. <i>Environmental Science: Nano</i> , 2016, 3, 45-55.	2.2	68
159	Biological Responses to Engineered Nanomaterials: Needs for the Next Decade. <i>ACS Central Science</i> , 2015, 1, 117-123.	5.3	121
160	Editorial for January 2015 for <i>JPC A/B/C</i> . <i>Journal of Physical Chemistry A</i> , 2015, 119, 1-4.	1.1	4
161	Editorial for January 2015 for <i>JPC A/B/C</i> . <i>Journal of Physical Chemistry B</i> , 2015, 119, 1-4.	1.2	1
162	Best Practices for the Reporting of Colloidal Inorganic Nanomaterials. <i>Chemistry of Materials</i> , 2015, 27, 4911-4913.	3.2	64

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163	Impacts of gold nanoparticle charge and ligand type on surface binding and toxicity to Gram-negative and Gram-positive bacteria. <i>Chemical Science</i> , 2015, 6, 5186-5196.	3.7	203
164	Lipopolysaccharide Density and Structure Govern the Extent and Distance of Nanoparticle Interaction with Actual and Model Bacterial Outer Membranes. <i>Environmental Science & Technology</i> , 2015, 49, 10642-10650.	4.6	103
165	Gene expression as an indicator of the molecular response and toxicity in the bacterium <i>Shewanella oneidensis</i> and the water flea <i>Daphnia magna</i> exposed to functionalized gold nanoparticles. <i>Environmental Science: Nano</i> , 2015, 2, 615-629.	2.2	38
166	Gold Nanorods Indirectly Promote Migration of Metastatic Human Breast Cancer Cells in Three-Dimensional Cultures. <i>ACS Nano</i> , 2015, 9, 6801-6816.	7.3	22
167	Measuring binding kinetics of aromatic thiolated molecules with nanoparticles via surface-enhanced Raman spectroscopy. <i>Nanoscale</i> , 2015, 7, 8766-8775.	2.8	30
168	A Possible Oriented Attachment Growth Mechanism for Silver Nanowire Formation. <i>Crystal Growth and Design</i> , 2015, 15, 1968-1974.	1.4	52
169	Effects of charge and surface ligand properties of nanoparticles on oxidative stress and gene expression within the gut of <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2015, 162, 1-9.	1.9	77
170	Magnetic, Fluorescent, and Copolymeric Silicone Microspheres. <i>Advanced Science</i> , 2015, 2, 1500114.	5.6	10
171	Interactions of Bacterial Lipopolysaccharides with Gold Nanorod Surfaces Investigated by Refractometric Sensing. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24915-24925.	4.0	31
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