

Jennifer I L Chen

List of Publications by Year in descending order

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28
papers

1,358
citations

471509

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501196

28
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docs citations

28
times ranked

2270
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-woven materials for cloth-based face masks inserts: relationship between material properties and sub-micron aerosol filtration. <i>Environmental Science: Nano</i> , 2021, 8, 1603-1613.	4.3	19
2	Core-satellite assembly of gold nanoshells on solid gold nanoparticles for a color coding plasmonic nanosensor. <i>Analyst, The</i> , 2021, , .	3.5	2
3	DNA-Functionalized Gold Nanoparticles with Toehold-Mediated Strand Displacement for Nucleic Acid Sensors. <i>ACS Applied Nano Materials</i> , 2020, 3, 10123-10132.	5.0	12
4	Sensing Biomarkers with Plasmonics. <i>Analytical Chemistry</i> , 2020, 92, 7373-7381.	6.5	38
5	Metabolic mapping with plasmonic nanoparticle assemblies. <i>Analyst, The</i> , 2020, 145, 2586-2594.	3.5	8
6	DNA-Conjugated Gold Nanoparticles as High-Mass Probes in Imaging Mass Cytometry. <i>ACS Applied Bio Materials</i> , 2019, 2, 4316-4323.	4.6	12
7	LSPR Tuning from 470 to 800 nm and Improved Stability of Au@Ag Nanoparticles Formed by Gold Deposition and Rebuilding in the Presence of Poly(styrenesulfonate). <i>Langmuir</i> , 2018, 34, 612-621.	3.5	37
8	Effects of Surface Passivation on Trap States, Band Bending, and Photoinduced Charge Transfer in P3HT/TiO ₂ Hybrid Inverse Opals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17301-17308.	3.1	4
9	Electrical Detection of Quantum Dot Hot Electrons Generated via a Mn ²⁺ -Enhanced Auger Process. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 126-130.	4.6	20
10	Photoinduced Charge Transfer in Poly(3-hexylthiophene)/TiO ₂ Hybrid Inverse Opals: Photonic vs Interfacial Effects. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26987-26996.	3.1	6
11	Tuning the Sensing Performance of Multilayer Plasmonic Core@Satellite Assemblies for Rapid Detection of Targets from Lysed Cells. <i>ACS Sensors</i> , 2017, 2, 1578-1583.	7.8	10
12	Colorimetric detection of catalase and catalase-positive bacteria (E. coli) using silver nanoprisms. <i>Analytical Methods</i> , 2016, 8, 6625-6630.	2.7	13
13	Factors influencing polyelectrolyte-aptamer multilayered films with target-controlled permeability for sensing applications. <i>Analyst, The</i> , 2016, 141, 3794-3802.	3.5	4
14	Direct detection of microRNA based on plasmon hybridization of nanoparticle dimers. <i>Analyst, The</i> , 2015, 140, 1140-1148.	3.5	17
15	Morphology-Based Plasmonic Nanoparticle Sensors: Controlling Etching Kinetics with Target-Responsive Permeability Gate. <i>Journal of the American Chemical Society</i> , 2013, 135, 16042-16045.	13.7	38
16	Photoisomerization Quantum Yield of Azobenzene-Modified DNA Depends on Local Sequence. <i>Journal of the American Chemical Society</i> , 2013, 135, 8382-8387.	13.7	49
17	Electron Accumulation on Metal Nanoparticles in Plasmon-Enhanced Organic Solar Cells. <i>ACS Nano</i> , 2012, 6, 10024-10032.	14.6	106
18	Photoswitchable Oligonucleotide-Modified Gold Nanoparticles: Controlling Hybridization Stringency with Photon Dose. <i>Nano Letters</i> , 2012, 12, 2530-2536.	9.1	89

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19	Optical Detection of Protein in Complex Media with Plasmonic Nanoparticle Dimers. <i>Small</i> , 2011, 7, 1993-1997.	10.0	41
20	Plasmonic Nanoparticle Dimers for Optical Sensing of DNA in Complex Media. <i>Journal of the American Chemical Society</i> , 2010, 132, 9600-9601.	13.7	179
21	Infrared magnetic response in a random silicon carbide micropowder. <i>Physical Review B</i> , 2009, 79, .	3.2	41
22	Tailoring the Electrical Properties of Inverse Silicon Opals – A Step Towards Optically Amplified Silicon Solar Cells. <i>Advanced Materials</i> , 2009, 21, 559-563.	21.0	40
23	Heterogeneous photocatalysis with inverse titania opals: probing structural and photonic effects. <i>Journal of Materials Chemistry</i> , 2009, 19, 2675.	6.7	70
24	Tracing the Effect of Slow Photons in Photoisomerization of Azobenzene. <i>Advanced Materials</i> , 2008, 20, 4784-4788.	21.0	18
25	Controlling the Morphologies of Organometallic Block Copolymers in the 3-Dimensional Spatial Confinement of Colloidal and Inverse Colloidal Crystals. <i>Macromolecules</i> , 2008, 41, 2250-2259.	4.8	78
26	Slow photons in the fast lane in chemistry. <i>Journal of Materials Chemistry</i> , 2008, 18, 369-373.	6.7	135
27	Synergy of Slow Photon and Chemically Amplified Photochemistry in Platinum Nanocluster-Loaded Inverse Titania Opals. <i>Journal of the American Chemical Society</i> , 2008, 130, 5420-5421.	13.7	137
28	Effect of Disorder on the Optically Amplified Photocatalytic Efficiency of Titania Inverse Opals. <i>Journal of the American Chemical Society</i> , 2007, 129, 1196-1202.	13.7	135