Jennifer I L Chen

List of Publications by Year
in descending order

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Version: 2024-02-01

28	1,358	471509 17	501196 28
papers	citations	h-index	g-index

28	28	28	2270
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plasmonic Nanoparticle Dimers for Optical Sensing of DNA in Complex Media. Journal of the American Chemical Society, 2010, 132, 9600-9601.	13.7	179
2	Synergy of Slow Photon and Chemically Amplified Photochemistry in Platinum Nanocluster-Loaded Inverse Titania Opals. Journal of the American Chemical Society, 2008, 130, 5420-5421.	13.7	137
3	Effect of Disorder on the Optically Amplified Photocatalytic Efficiency of Titania Inverse Opals. Journal of the American Chemical Society, 2007, 129, 1196-1202.	13.7	135
4	Slow photons in the fast lane in chemistry. Journal of Materials Chemistry, 2008, 18, 369-373.	6.7	135
5	Electron Accumulation on Metal Nanoparticles in Plasmon-Enhanced Organic Solar Cells. ACS Nano, 2012, 6, 10024-10032.	14.6	106
6	Photoswitchable Oligonucleotide-Modified Gold Nanoparticles: Controlling Hybridization Stringency with Photon Dose. Nano Letters, 2012, 12, 2530-2536.	9.1	89
7	Controlling the Morphologies of Organometallic Block Copolymers in the 3-Dimensional Spatial Confinement of Colloidal and Inverse Colloidal Crystals. Macromolecules, 2008, 41, 2250-2259.	4.8	78
8	Heterogeneous photocatalysis with inverse titania opals: probing structural and photonic effects. Journal of Materials Chemistry, 2009, 19, 2675.	6.7	70
9	Photoisomerization Quantum Yield of Azobenzene-Modified DNA Depends on Local Sequence. Journal of the American Chemical Society, 2013, 135, 8382-8387.	13.7	49
10	Infrared magnetic response in a random silicon carbide micropowder. Physical Review B, 2009, 79, .	3.2	41
11	Optical Detection of Protein in Complex Media with Plasmonic Nanoparticle Dimers. Small, 2011, 7, 1993-1997.	10.0	41
12	Tailoring the Electrical Properties of Inverse Silicon Opals â€•A Step Towards Optically Amplified Silicon Solar Cells. Advanced Materials, 2009, 21, 559-563.	21.0	40
13	Morphology-Based Plasmonic Nanoparticle Sensors: Controlling Etching Kinetics with Target-Responsive Permeability Gate. Journal of the American Chemical Society, 2013, 135, 16042-16045.	13.7	38
14	Sensing Biomarkers with Plasmonics. Analytical Chemistry, 2020, 92, 7373-7381.	6.5	38
15	LSPR Tuning from 470 to 800 nm and Improved Stability of Auâ€“Ag Nanoparticles Formed by Gold Deposition and Rebuilding in the Presence of Poly(styrenesulfonate). Langmuir, 2018, 34, 612-621.	3.5	37
16	Electrical Detection of Quantum Dot Hot Electrons Generated via a Mn²⁺-Enhanced Auger Process. Journal of Physical Chemistry Letters, 2017, 8, 126-130.	4.6	20
17	Non-woven materials for cloth-based face masks inserts: relationship between material properties and sub-micron aerosol filtration. Environmental Science: Nano, 2021, 8, 1603-1613.	4.3	19
18	Tracing the Effect of Slow Photons in Photoisomerization of Azobenzene. Advanced Materials, 2008, 20, 4784-4788.	21.0	18

#	Article	IF	Citations
19	Direct detection of microRNA based on plasmon hybridization of nanoparticle dimers. Analyst, The, 2015, 140, 1140-1148.	3.5	17
20	Colorimetric detection of catalase and catalase-positive bacteria (E. coli) using silver nanoprisms. Analytical Methods, 2016, 8, 6625-6630.	2.7	13
21	DNA-Conjugated Gold Nanoparticles as High-Mass Probes in Imaging Mass Cytometry. ACS Applied Bio Materials, 2019, 2, 4316-4323.	4.6	12
22	DNA-Functionalized Gold Nanoparticles with Toehold-Mediated Strand Displacement for Nucleic Acid Sensors. ACS Applied Nano Materials, 2020, 3, 10123-10132.	5.0	12
23	Tuning the Sensing Performance of Multilayer Plasmonic Coreâ€“Satellite Assemblies for Rapid Detection of Targets from Lysed Cells. ACS Sensors, 2017, 2, 1578-1583.	7.8	10
24	Metabolic mapping with plasmonic nanoparticle assemblies. Analyst, The, 2020, 145, 2586-2594.	3.5	8
25	Photoinduced Charge Transfer in Poly(3-hexylthiophene)/TiO2 Hybrid Inverse Opals: Photonic vs Interfacial Effects. Journal of Physical Chemistry C, 2017, 121, 26987-26996.	3.1	6
26	Factors influencing polyelectrolyte-aptamer multilayered films with target-controlled permeability for sensing applications. Analyst, The, 2016, 141, 3794-3802.	3.5	4
27	Effects of Surface Passivation on Trap States, Band Bending, and Photoinduced Charge Transfer in P3HT/TiO₂ Hybrid Inverse Opals. Journal of Physical Chemistry C, 2018, 122, 17301-17308.	3.1	4
28	Core-satellite assembly of gold nanoshells on solid gold nanoparticles for a color coding plasmonic nanosensor. Analyst, The, 2021, , .	3.5	2