Jun Yi

List of Publications by Year
in descending order

32 papers	2,667 citations	430874 18 h-index	526287 27 g-index
32 all docs	32 docs citations	32 times ranked	4433 citing authors

#	Article	IF	Citations
1	Nanostructure-based plasmon-enhanced Raman spectroscopy for surface analysis of materials. Nature Reviews Materials, 2016, 1, .	48.7	1,229
2	From plasmon-enhanced molecular spectroscopy to plasmon-mediated chemical reactions. Nature Reviews Chemistry, 2018, 2, 216-230.	30.2	337
3	Observation of chiral phonons. Science, 2018, 359, 579-582.	12.6	217
4	Plasmonic photoluminescence for recovering native chemical information from surface-enhanced Raman scattering. Nature Communications, 2017, 8, 14891.	12.8	138
5	Size Effect on SERS of Gold Nanorods Demonstrated via Single Nanoparticle Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 20806-20813.	3.1	123
6	Electrostatic Self-Assembling Formation of Pd Superlattice Nanowires from Surfactant-Free Ultrathin Pd Nanosheets. Journal of the American Chemical Society, 2014, 136, 12856-12859.	13.7	66
7	Intraband Hot-Electron Photoluminescence from Single Silver Nanorods. ACS Photonics, 2016, 3, 1248-1255.	6.6	66
8	Single-Molecule Plasmonic Optical Trapping. Matter, 2020, 3, 1350-1360.	10.0	53
9	Observing atomic layer electrodeposition on single nanocrystals surface by dark field spectroscopy. Nature Communications, 2020, 11, 2518.	12.8	47
10	Plasmonic nanoreactors regulating selective oxidation by energetic electrons and nanoconfined thermal fields. Science Advances, 2021, 7, .	10.3	43
11	Real-time detection of single-molecule reaction by plasmon-enhanced spectroscopy. Science Advances, 2020, 6, eaba6012.	10.3	41
12	Nonlinear valley phonon scattering under the strong coupling regime. Nature Materials, 2021, 20, 1210-1215.	27.5	32
13	A theoretical and experimental approach to shell-isolated nanoparticle-enhanced Raman spectroscopy of single-crystal electrodes. Surface Science, 2015, 631, 73-80.	1.9	30
14	An electrochemical surfaceâ€enhanced Raman spectroscopic study on nanodâ€structured lithium prepared by electrodeposition. Journal of Raman Spectroscopy, 2016, 47, 1017-1023.	2.5	30
15	Plasmon-Enhanced Ultrasensitive Surface Analysis Using Ag Nanoantenna. Analytical Chemistry, 2018, 90, 2018-2022.	6.5	30
16	Elucidating Moleculeâ€“Plasmon Interactions in Nanocavities with 2â€…nm Spatial Resolution and at the Singleâ€Molecule Level. Angewandte Chemie - International Edition, 2019, 58, 12133-12137.	13.8	29
17	Plasmon enhanced quantum dots fluorescence and energy conversion in water splitting using shell-isolated nanoparticles. Nano Energy, 2017, 42, 232-240.	16.0	28
18	Nonlinear Optics at Excited States of Exciton Polaritons in Two-Dimensional Atomic Crystals. Nano Letters, 2020, 20, 1676-1685.	9.1	20

#	Article	IF	Citations
19	Shell-Isolated Nanoparticle-Enhanced Phosphorescence. Analytical Chemistry, 2018, 90, 10837-10842.	6.5	17
20	Unveiling the moleculeâ€“plasmon interactions in surface-enhanced infrared absorption spectroscopy. National Science Review, 2020, 7, 1228-1238.	9.5	17
21	Plasmonic and new plasmonic materials: general discussion. Faraday Discussions, 2015, 178, 123-149.	3.2	16
22	Further expanding versatility of surface-enhanced Raman spectroscopy: from non-traditional SERS-active to SERS-inactive substrates and single shell-isolated nanoparticle. Faraday Discussions, 2017, 205, 457-468.	3.2	15
23	Elucidating Moleculeâ€“Plasmon Interactions in Nanocavities with 2â€…nm Spatial Resolution and at the Singleâ€Molecule Level. Angewandte Chemie, 2019, 131, 12261-12265.	2.0	12
24	Enhanced Neutral Exciton Diffusion in Monolayer WS₂ by Excitonâ€“Exciton Annihilation. ACS Nano, 2022, 16, 8005-8011.	14.6	11
25	In-situ monitoring of redox processes of viologen at Au(hkl) single-crystal electrodes using electrochemical shell-isolated nanoparticle-enhanced Raman spectroscopy. Electrochemistry Communications, 2016, 72, 131-134.	4.7	8
26	Gap-mode plasmons at 2Ânm spatial-resolution under a graphene-mediated hot spot. Nano Today, 2022, 44, 101464.	11.9	8
27	Inhomogeneity of fluorescence lifetime and intensity in a plasmonic nanocavity. Nano Today, 2022, 45, 101548.	11.9	4
28	The Effects of M₂O₃ on Stabilizing Monocopper over the Surface of Cuâ€ZnOâ€M₂O₃ Catalysts for Mathanol Synthesis. Journal of the Chinese Chemical Society, 1998, 45, 673-678.	1.4	0
29	Spherical Au@Ag Nanoparticles for Localized Surface Plasmon Resonance Scanning Probes: Synthesis and Dielectric Sensitivity. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2015, 31, 1575-1583.	4.9	0
30	Spectroscopic signature of chiral phonons in 2D materials. , 2018, , .		0
31	Probing the excited states of valley polaritons in atomic crystals. , 2019, , .		0
32	Experimental observation of chiral phonons in monolayer WSe2. , 2019, , .		0