Xingce Fan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3596661/publications.pdf

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26	645	516710 16	580821 25
papers	citations	h-index	g-index

26	26	26	683
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Facile design of ultra-thin anodic aluminum oxide membranes for the fabrication of plasmonic nanoarrays. Nanotechnology, 2017, 28, 105301.	2.6	60
2	The origin of ultrasensitive SERS sensing beyond plasmonics. Frontiers of Physics, 2021, 16, 1.	5.0	53
3	Controlled Patterning of Plasmonic Dimers by Using an Ultrathin Nanoporous Alumina Membrane as a Shadow Mask. ACS Applied Materials & Interfaces, 2017, 9, 36199-36205.	8.0	50
4	W₁₈O₄₉/Monolayer MoS₂ Heterojunction-Enhanced Raman Scattering. Journal of Physical Chemistry Letters, 2019, 10, 4038-4044.	4.6	46
5	High SERS Sensitivity Enabled by Synergistically Enhanced Photoinduced Charge Transfer in Amorphous Nonstoichiometric Semiconducting Films. Advanced Materials Interfaces, 2019, 6, 1901133.	3.7	42
6	Hotspots on the Move: Active Molecular Enrichment by Hierarchically Structured Micromotors for Ultrasensitive SERS Sensing. ACS Applied Materials & Interfaces, 2020, 12, 28783-28791.	8.0	42
7	Assembly of gold nanoparticles into aluminum nanobowl array. Scientific Reports, 2017, 7, 2322.	3.3	33
8	Origin of layer-dependent SERS tunability in 2D transition metal dichalcogenides. Nanoscale Horizons, 2021, 6, 186-191.	8.0	33
9	Inkjet-printed paper-based semiconducting substrates for surface-enhanced Raman spectroscopy. Nanotechnology, 2020, 31, 055502.	2.6	30
10	Improving the performance of light-emitting diodes via plasmonic-based strategies. Journal of Applied Physics, 2020, 127, .	2.5	30
11	Microdroplet-guided intercalation and deterministic delamination towards intelligent rolling origami. Nature Communications, 2019, 10, 5019.	12.8	28
12	Flexible Surface-Enhanced Raman Scattering Chip: A Universal Platform for Real-Time Interfacial Molecular Analysis with Femtomolar Sensitivity. ACS Applied Materials & Interfaces, 2020, 12, 54174-54180.	8.0	27
13	Plasmon-coupled charge transfer in WO_{3â^'x} semiconductor nanoarrays: toward highly uniform silver-comparable SERS platforms. Physical Chemistry Chemical Physics, 2019, 21, 2611-2618.	2.8	26
14	Manipulating Hot-Electron Injection in Metal Oxide Heterojunction Array for Ultrasensitive Surface-Enhanced Raman Scattering. ACS Applied Materials & Interfaces, 2021, 13, 51618-51627.	8.0	26
15	Ultrasonic exfoliated ReS₂ nanosheets: fabrication and use as co-catalyst for enhancing photocatalytic efficiency of TiO₂ nanoparticles under sunlight. Nanotechnology, 2019, 30, 184001.	2.6	24
16	Planar transition metal oxides SERS chips: a general strategy. Journal of Materials Chemistry C, 2019, 7, 11134-11141.	5.5	18
17	Mixed-dimensional van der Waals heterojunction-enhanced Raman scattering. Nano Research, 2022, 15, 637-643.	10.4	16
18	Plasmonic metal carbide SERS chips. Journal of Materials Chemistry C, 2020, 8, 14523-14530.	5.5	14

#	Article	IF	Citations
19	Tunable plasmonic gallium nano liquid metal from facile and controllable synthesis. Materials Horizons, 2021, 8, 3315-3323.	12.2	14
20	Structural engineering of transition-metal nitrides for surface-enhanced Raman scattering chips. Nano Research, 2022, 15, 3794-3803.	10.4	14
21	Exploring indium tin oxide capped titanium dioxide nanolace arrays for plasmonic photocatalysis. RSC Advances, 2016, 6, 12611-12615.	3.6	5
22	Self-assembled bundled TiO2nanowire arrays encapsulated with indium tin oxide for broadband absorption in plasmonic photocatalysis. Physical Chemistry Chemical Physics, 2017, 19, 27059-27064.	2.8	5
23	Verification and Analysis of Single-Molecule SERS Events via Polarization-Selective Raman Measurement. Analytical Chemistry, 2022, 94, 1046-1051.	6.5	4
24	Monitoring substrate-induced electronâ€“phonon coupling at interfaces of 2D organic/inorganic van der Waals heterostructures with in situ Raman spectroscopy. Applied Physics Letters, 2022, 120, 181602.	3.3	3
25	Controlled Assembly of Plasmonic Nanostructures Templated by Porous Anodic Alumina Membranes. International Journal of Behavioral and Consultation Therapy, 2016, , 249-274.	0.4	2
26	Stability of the structure and redox state of ferricytochrome c in the desolvation process. Vibrational Spectroscopy, 2021, 113, 103220.	2.2	0