Kai-Qiang Lin

List of Publications by Year
in descending order

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Version: 2024-02-01

33 papers	1,591 citations	331670 21 h-index	501196 28 g-index
34 all docs	34 docs citations	34 times ranked	2893 citing authors

#	Article	IF	Citations
1	Ultrafast transition between exciton phases in van der Waals heterostructures. Nature Materials, 2019, 18, 691-696.	27.5	168
2	Plasmonic photoluminescence for recovering native chemical information from surface-enhanced Raman scattering. Nature Communications, 2017, 8, 14891.	12.8	138
3	Probing the Location of Hot Spots by Surface-Enhanced Raman Spectroscopy: Toward Uniform Substrates. ACS Nano, 2014, 8, 528-536.	14.6	136
4	Size Effect on SERS of Gold Nanorods Demonstrated via Single Nanoparticle Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 20806-20813.	3.1	123
5	Carbon Monoxide-Assisted Synthesis of Single-Crystalline Pd Tetrapod Nanocrystals through Hydride Formation. Journal of the American Chemical Society, 2012, 134, 7073-7080.	13.7	120
6	Probing the edge-related properties of atomically thin MoS2 at nanoscale. Nature Communications, 2019, 10, 5544.	12.8	108
7	Quantifying Surface Temperature of Thermoplasmonic Nanostructures. Journal of the American Chemical Society, 2018, 140, 13680-13686.	13.7	92
8	Quantum interference in second-harmonic generation from monolayer WSe2. Nature Physics, 2019, 15, 242-246.	16.7	77
9	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
10	Intraband Hot-Electron Photoluminescence from Single Silver Nanorods. ACS Photonics, 2016, 3, 1248-1255.	6.6	66
11	Twist-tailoring Coulomb correlations in van der Waals homobilayers. Nature Communications, 2020, 11, 2167.	12.8	63
12	Hybridized intervalley moirÃ© excitons and flat bands in twisted WSe₂ bilayers. Nanoscale, 2020, 12, 11088-11094.	5.6	55
13	Extraction of Absorption and Scattering Contribution of Metallic Nanoparticles Toward Rational Synthesis and Application. Analytical Chemistry, 2015, 87, 1058-1065.	6.5	50
14	Observing atomic layer electrodeposition on single nanocrystals surface by dark field spectroscopy. Nature Communications, 2020, 11, 2518.	12.8	47
15	Momentum-Resolved Observation of Exciton Formation Dynamics in Monolayer WS₂. Nano Letters, 2021, 21, 5867-5873.	9.1	45
16	Largeâ€Scale Mapping of MoirÃ© Superlattices by Hyperspectral Raman Imaging. Advanced Materials, 2021, 33, e2008333.	21.0	41
17	MoirÃ© phonons in twisted MoSe₂â€“WSe₂ heterobilayers and their correlation with interlayer excitons. 2D Materials, 2021, 8, 035030.	4.4	29
18	Narrow-band high-lying excitonsÂwith negative-mass electrons in monolayer WSe2. Nature Communications, 2021, 12, 5500.	12.8	29

#	Article	IF	Citations
19	Rational fabrication of silver-coated AFM TERS tips with a high enhancement and long lifetime. Nanoscale, 2018, 10, 4398-4405.	5.6	28
20	Twist-angle engineering of excitonic quantum interference and optical nonlinearities in stacked 2D semiconductors. Nature Communications, 2021, 12, 1553.	12.8	28
21	Electronic and vibrational surface-enhanced Raman scattering: from atomically defined Au(111) and (100) to roughened Au. Chemical Science, 2020, 11, 9807-9817.	7.4	23
22	Applications of plasmonics: general discussion. Faraday Discussions, 2015, 178, 435-466.	3.2	17
23	Photo-induced exfoliation of monolayer transition metal dichalcogenide semiconductors. 2D Materials, 2019, 6, 045052.	4.4	11
24	A roadmap for interlayer excitons. Light: Science and Applications, 2021, 10, 99.	16.6	10
25	Polymer Coatings Tune Electromagnetically Induced Transparency in Two-Dimensional Semiconductors. ACS Photonics, 2019, 6, 3115-3119.	6.6	7
26	Quantitatively Deciphering Electronic Properties of Defects at Atomically Thin Transition-Metal Dichalcogenides. ACS Nano, 2022, 16, 4786-4794.	14.6	7
27	Quantum plasmonics, gain and spasers: general discussion. Faraday Discussions, 2015, 178, 325-334.	3.2	4
28	Surface plasmon enhanced spectroscopies and time and space resolved methods: general discussion. Faraday Discussions, 2015, 178, 253-279.	3.2	3
29	Tailoring Coulomb correlations in twisted WSe2 bilayers. , 2021, , .		0
30	Twist-Tailoring Hybrid Excitons In Van Der Waals Homobilayers. , 2021, , .		0
31	Largeâ€Scale Mapping of MoirÃ© Superlattices by Hyperspectral Raman Imaging (Adv. Mater. 34/2021). Advanced Materials, 2021, 33, 2170267.	21.0	0
32	Ultrafast Transition from Intra- to Interlayer Exciton Phases in a Van Der Waals Heterostructure. , 2019, , .		0
33	Excitons in twisted van der Waals bilayers: Internal structure and ultrafast dynamics. , 2020, , .		0