

Kyoung-Duck Park

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

905
citations

567281

15
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

1467
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiative control of dark excitons at room temperature by nano-optical antenna-tip Purcell effect. Nature Nanotechnology, 2018, 13, 59-64.	31.5	186
2	Hybrid Tip-Enhanced Nanospectroscopy and Nanoimaging of Monolayer WSe ₂ with Local Strain Control. Nano Letters, 2016, 16, 2621-2627.	9.1	165
3	Tip-enhanced strong coupling spectroscopy, imaging, and control of a single quantum emitter. Science Advances, 2019, 5, eaav5931.	10.3	107
4	Variable-Temperature Tip-Enhanced Raman Spectroscopy of Single-Molecule Fluctuations and Dynamics. Nano Letters, 2016, 16, 479-487.	9.1	73
5	Tip-Induced Nano-Engineering of Strain, Bandgap, and Exciton Funneling in 2D Semiconductors. Advanced Materials, 2021, 33, e2008234.	21.0	44
6	Tip-enhanced photoluminescence nano-spectroscopy and nano-imaging. Nanophotonics, 2020, 9, 3089-3110.	6.0	43
7	Polarization Control with Plasmonic Antenna Tips: A Universal Approach to Optical Nanocrystallography and Vector-Field Imaging. Nano Letters, 2018, 18, 2912-2917.	9.1	40
8	Probing Bilayer Grain Boundaries in Large-Area Graphene with Tip-Enhanced Raman Spectroscopy. Advanced Materials, 2017, 29, 1603601.	21.0	37
9	In Liquid Infrared Scattering Scanning Near-Field Optical Microscopy for Chemical and Biological Nanoimaging. Nano Letters, 2020, 20, 4497-4504.	9.1	31
10	Influence of Size and Shape Anisotropy on Optical Properties of CdSe Quantum Dots. Nanomaterials, 2020, 10, 1589.	4.1	27
11	Adaptive tip-enhanced nano-spectroscopy. Nature Communications, 2021, 12, 3465.	12.8	25
12	Nano-Cavity QED with Tunable Nano-Tip Interaction. Advanced Quantum Technologies, 2020, 3, 1900087.	3.9	22
13	Inducing and Probing Localized Excitons in Atomically Thin Semiconductors via Tip-Enhanced Cavity Spectroscopy. Advanced Functional Materials, 2021, 31, 2102893.	14.9	22
14	Drift-dominant exciton funneling and trion conversion in 2D semiconductors on the nanogap. Science Advances, 2022, 8, eabm5236.	10.3	21
15	Nanocavity Clock Spectroscopy: Resolving Competing Exciton Dynamics in WSe ₂ /MoSe ₂ Heterobilayers. Nano Letters, 2021, 21, 522-528.	9.1	18
16	Growth Kinetics and Optical Properties of CsPbBr ₃ Perovskite Nanocrystals. Energies, 2021, 14, 275.	3.1	17
17	Tip-Induced Strain Engineering of a Single Metal Halide Perovskite Quantum Dot. ACS Nano, 2021, 15, 9057-9064.	14.6	13
18	Ultrafast Anisotropic Optical Response and Coherent Acoustic Phonon Generation in Polycrystalline BaTiO ₃ -BiFeO ₃ . Energy Harvesting and Systems, 2016, 3, 229-236.	2.7	5

#	ARTICLE	IF	CITATIONS
19	Near-Field Imaging of Cell Membranes in Liquid Enabled by Active Scanning Probe Mechanical Resonance Control. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21138-21144.	3.1	5
20	Wide-gap photoluminescence control of quantum dots through atomic interdiffusion and bandgap renormalization. <i>Nanophotonics</i> , 2020, 9, 4799-4807.	6.0	2
21	Graphene: Probing Bilayer Grain Boundaries in Large-Area Graphene with Tip-Enhanced Raman Spectroscopy (<i>Adv. Mater.</i> 7/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	1
22	Inducing and Probing Localized Excitons in Atomically Thin Semiconductors via Tip-Enhanced Cavity-Spectroscopy (<i>Adv. Funct. Mater.</i> 33/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170243.	14.9	1
23	Tip-Enhanced Strong Coupling of Quantum Dot Single Photon Emitters. , 2021, , .		0
24	Digital operating tip-enhanced Raman spectroscopy. <i>Journal of the Korean Physical Society</i> , 0, , 1.	0.7	0