Kyoung-Duck Park

List of Publications by Year
in descending order

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24	905	567281 15	713466 21
papers	citations	h-index	g-index

26	26	26	1467
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Drift-dominant exciton funneling and trion conversion in 2D semiconductors on the nanogap. Science Advances, 2022, 8, eabm5236.	10.3	21
2	Nanocavity Clock Spectroscopy: Resolving Competing Exciton Dynamics in WSe₂/MoSe₂ Heterobilayers. Nano Letters, 2021, 21, 522-528.	9.1	18
3	Growth Kinetics and Optical Properties of CsPbBr3 Perovskite Nanocrystals. Energies, 2021, 14, 275.	3.1	17
4	Tip-Enhanced Strong Coupling of Quantum Dot Single Photon Emitters. , 2021, , .		0
5	Tipâ€Induced Nanoâ€Engineering of Strain, Bandgap, and Exciton Funneling in 2D Semiconductors. Advanced Materials, 2021, 33, e2008234.	21.0	44
6	Tip-Induced Strain Engineering of a Single Metal Halide Perovskite Quantum Dot. ACS Nano, 2021, 15, 9057-9064.	14.6	13
7	Inducing and Probing Localized Excitons in Atomically Thin Semiconductors via Tipâ€Enhanced Cavityâ€Spectroscopy. Advanced Functional Materials, 2021, 31, 2102893.	14.9	22
8	Adaptive tip-enhanced nano-spectroscopy. Nature Communications, 2021, 12, 3465.	12.8	25
9	Inducing and Probing Localized Excitons in Atomically Thin Semiconductors via Tipâ€Enhanced Cavityâ€Spectroscopy (Adv. Funct. Mater. 33/2021). Advanced Functional Materials, 2021, 31, 2170243.	14.9	1
10	Nanoâ€Cavity QED with Tunable Nanoâ€Tip Interaction. Advanced Quantum Technologies, 2020, 3, 1900087.	3.9	22
11	Influence of Size and Shape Anisotropy on Optical Properties of CdSe Quantum Dots. Nanomaterials, 2020, 10, 1589.	4.1	27
12	In Liquid Infrared Scattering Scanning Near-Field Optical Microscopy for Chemical and Biological Nanoimaging. Nano Letters, 2020, 20, 4497-4504.	9.1	31
13	Tip-enhanced photoluminescence nano-spectroscopy and nano-imaging. Nanophotonics, 2020, 9, 3089-3110.	6.0	43
14	Wide-gap photoluminescence control of quantum dots through atomic interdiffusion and bandgap renormalization. Nanophotonics, 2020, 9, 4799-4807.	6.0	2
15	Tip-enhanced strong coupling spectroscopy, imaging, and control of a single quantum emitter. Science Advances, 2019, 5, eaav5931.	10.3	107
16	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
17	Radiative control of dark excitons at room temperature by nano-optical antenna-tip Purcell effect. Nature Nanotechnology, 2018, 13, 59-64.	31.5	186
18	Graphene: Probing Bilayer Grain Boundaries in Largeâ€Area Graphene with Tipâ€Enhanced Raman Spectroscopy (Adv. Mater. 7/2017). Advanced Materials, 2017, 29, .	21.0	1

#	Article	IF	Citations
19	Probing Bilayer Grain Boundaries in Largeâ€Area Graphene with Tipâ€Enhanced Raman Spectroscopy. Advanced Materials, 2017, 29, 1603601.	21.0	37
20	Hybrid Tip-Enhanced Nanospectroscopy and Nanoimaging of Monolayer WSe₂ with Local Strain Control. Nano Letters, 2016, 16, 2621-2627.	9.1	165
21	Ultrafast Anisotropic Optical Response and Coherent Acoustic Phonon Generation in Polycrystalline BaTiO₃-BiFeO₃. Energy Harvesting and Systems, 2016, 3, 229-236.	2.7	5
22	Near-Field Imaging of Cell Membranes in Liquid Enabled by Active Scanning Probe Mechanical Resonance Control. Journal of Physical Chemistry C, 2016, 120, 21138-21144.	3.1	5
23	Variable-Temperature Tip-Enhanced Raman Spectroscopy of Single-Molecule Fluctuations and Dynamics. Nano Letters, 2016, 16, 479-487.	9.1	73
24	Digital operating tip-enhanced Raman spectroscopy. Journal of the Korean Physical Society, 0, , 1.	0.7	0