

# Kidong Park

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7682158/publications.pdf>

Version: 2024-02-01

50  
papers

2,657  
citations

331538

21  
h-index

197736

49  
g-index

50  
all docs

50  
docs citations

50  
times ranked

5492  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible Halide Exchange Reaction of Organometal Trihalide Perovskite Colloidal Nanocrystals for Full-Range Band Gap Tuning. <i>Nano Letters</i> , 2015, 15, 5191-5199.	4.5	432
2	CoSe <sub>2</sub> and NiSe <sub>2</sub> Nanocrystals as Superior Bifunctional Catalysts for Electrochemical and Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 5327-5334.	4.0	425
3	Light-Matter Interactions in Cesium Lead Halide Perovskite Nanowire Lasers. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3703-3710.	2.1	202
4	Development of Miniaturized Walking Biological Machines. <i>Scientific Reports</i> , 2012, 2, 857.	1.6	197
5	Measurement of adherent cell mass and growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20691-20696.	3.3	186
6	Red-to-Ultraviolet Emission Tuning of Two-Dimensional Gallium Sulfide/Selenide. <i>ACS Nano</i> , 2015, 9, 9585-9593.	7.3	163
7	Ultrasound synthesis of lead halide perovskite nanocrystals. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10625-10629.	2.7	124
8	Transition-Metal Doping of Oxide Nanocrystals for Enhanced Catalytic Oxygen Evolution. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1921-1927.	1.5	96
9	Zn <sub>2</sub> GeO <sub>4</sub> and Zn <sub>2</sub> SnO <sub>4</sub> nanowires for high-capacity lithium- and sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10691-10699.	5.2	77
10	Resonant MEMS Mass Sensors for Measurement of Microdroplet Evaporation. <i>Journal of Microelectromechanical Systems</i> , 2012, 21, 702-711.	1.7	60
11	Orthorhombic NiSe <sub>2</sub> Nanocrystals on Si Nanowires for Efficient Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 33198-33204.	4.0	49
12	Thickness-dependent bandgap and electrical properties of GeP nanosheets. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16526-16532.	5.2	45
13	Development and characterization of muscle-based actuators for self-stabilizing swimming biorobots. <i>Lab on A Chip</i> , 2016, 16, 3473-3484.	3.1	39
14	Selective electrochemical reduction of carbon dioxide to formic acid using indium-zinc bimetallic nanocrystals. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22879-22883.	5.2	39
15	IrO <sub>2</sub> -ZnO Hybrid Nanoparticles as Highly Efficient Trifunctional Electrocatalysts. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14899-14906.	1.5	35
16	Anisotropic 2D SiAs for High-Performance UV-Visible Photodetectors. <i>Small</i> , 2021, 17, e2006310.	5.2	35
17	Exosomes from Nischarin-Expressing Cells Reduce Breast Cancer Cell Motility and Tumor Growth. <i>Cancer Research</i> , 2019, 79, 2152-2166.	0.4	32
18	Photoluminescence and Photocurrents of GaS <sub>1-x</sub> Se <sub>x</sub> Nanobelts. <i>Chemistry of Materials</i> , 2016, 28, 5811-5820.	3.2	28

#	ARTICLE	IF	CITATIONS
19	Directed cell growth and alignment on protein-patterned 3D hydrogels with stereolithography. <i>Virtual and Physical Prototyping</i> , 2012, 7, 219-228.	5.3	26
20	Enhanced Moisture-Reactive Hydrophilic-PTFE-Based Flexible Humidity Sensor for Real-Time Monitoring. <i>Sensors</i> , 2018, 18, 921.	2.1	23
21	Ternary alloy nanocrystals of tin and germanium chalcogenides. <i>RSC Advances</i> , 2014, 4, 15695-15701.	1.7	21
22	GaP/ZnS Pseudobinary Alloy Nanowires. <i>Nano Letters</i> , 2014, 14, 5912-5919.	4.5	21
23	Band Gap Tuning of Twinned GaAsP Ternary Nanowires. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4546-4552.	1.5	21
24	Two dimensional MoS <sub>2</sub> meets porphyrins via intercalation to enhance the electrocatalytic activity toward hydrogen evolution. <i>Nanoscale</i> , 2019, 11, 3780-3785.	2.8	21
25	Surface-Modified Ta <sub>3</sub> N <sub>5</sub> Nanocrystals with Boron for Enhanced Visible-Light-Driven Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36715-36722.	4.0	20
26	Strain Mapping and Raman Spectroscopy of Bent GaP and GaAs Nanowires. <i>ACS Omega</i> , 2018, 3, 3129-3135.	1.6	20
27	Phase Controlled Growth of Cd <sub>3</sub> As <sub>2</sub> Nanowires and Their Negative Photoconductivity. <i>Nano Letters</i> , 2020, 20, 4939-4946.	4.5	20
28	Optomechanical measurement of the stiffness of single adherent cells. <i>Lab on A Chip</i> , 2015, 15, 3460-3464.	3.1	19
29	Fabrication and characterization of self-folding thermoplastic sheets using unbalanced thermal shrinkage. <i>Soft Matter</i> , 2017, 13, 4224-4230.	1.2	19
30	Hollow microcarriers for large-scale expansion of anchorage-dependent cells in a stirred bioreactor. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1717-1728.	1.7	19
31	Nickel phosphide polymorphs with an active (001) surface as excellent catalysts for water splitting. <i>CrystEngComm</i> , 2019, 21, 1143-1149.	1.3	19
32	Nickel sulfide nanocrystals for electrochemical and photoelectrochemical hydrogen generation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3240-3247.	2.7	17
33	Quantum Dots Formed in Three-dimensional Dirac Semimetal Cd <sub>3</sub> As <sub>2</sub> Nanowires. <i>Nano Letters</i> , 2018, 18, 1863-1868.	4.5	16
34	Bent Polytypic ZnSe and CdSe Nanowires Probed by Photoluminescence. <i>Small</i> , 2017, 13, 1603695.	5.2	15
35	Micro-Masonry of MEMS Sensors and Actuators. <i>Journal of Microelectromechanical Systems</i> , 2014, 23, 308-314.	1.7	14
36	<i>In Situ</i> Temperature-Dependent Transmission Electron Microscopy Studies of Pseudobinary GeTe <sub>2</sub> Bi <sub>2</sub> Te <sub>3</sub> ( $\chi = 3/8$ ) Nanowires and First-Principles Calculations. <i>Nano Letters</i> , 2015, 15, 3923-3930.	4.5	12

#	ARTICLE	IF	CITATIONS
37	Synthesis of Polytypic Gallium Phosphide and Gallium Arsenide Nanowires and Their Application as Photodetectors. ACS Omega, 2019, 4, 3098-3104.	1.6	12
38	Development of rolled scaffold for high-density adherent cell culture. Biomedical Microdevices, 2020, 22, 4.	1.4	7
39	Hydrodynamic loading and viscous damping of patterned perforations on microfabricated resonant structures. Applied Physics Letters, 2012, 100, .	1.5	5
40	Measurement of cell traction force with a thin film PDMS cantilever. Biomedical Microdevices, 2017, 19, 97.	1.4	5
41	Hydrogel Microstructures: Characterization of Mass and Swelling of Hydrogel Microstructures using MEMS Resonant Mass Sensor Arrays (Small 16/2012). Small, 2012, 8, 2450-2450.	5.2	3
42	GaAsSe Ternary Alloy Nanowires for Enhanced Photoconductivity. Journal of Physical Chemistry C, 2019, 123, 3908-3915.	1.5	3
43	Moving shot, an affordable and high-throughput setup for direct imaging of fast-moving microdroplets. Microsystem Technologies, 2019, 25, 3417-3423.	1.2	3
44	High-density adherent culture of CHO cells using rolled scaffold bioreactor. Biotechnology and Bioengineering, 2022, 119, 1498-1508.	1.7	3
45	Cardiac Muscle-cell Based Actuator and Self-stabilizing Biorobot - PART 1. Journal of Visualized Experiments, 2017, , .	0.2	2
46	Multifrequency Optomechanical Stiffness Measurement of Single Adherent Cells on a Solid Substrate with High Throughput. Analytical Chemistry, 2017, 89, 10841-10849.	3.2	2
47	Cardiac Muscle Cell-based Actuator and Self-stabilizing Biorobot - Part 2. Journal of Visualized Experiments, 2017, , .	0.2	2
48	Static microdroplet array generated by spraying and analyzed with automated microscopy and image processing. Analytical Biochemistry, 2019, 587, 113452.	1.1	2
49	Polymorphic Ga <sub>2</sub> S <sub>3</sub> nanowires: phase-controlled growth and crystal structure calculations. Nanoscale Advances, 2022, 4, 3218-3225.	2.2	1
50	Integrated Cantilever-Based Biosensors for the Detection of Chemical and Biological Entities. , 2017, , 469-530.		0