

# Xiaoping Hong

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5202734/publications.pdf>

Version: 2024-02-01

21  
papers

3,412  
citations

430874

18  
h-index

752698

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

6369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast charge transfer in atomically thin MoS <sub>2</sub> /WS <sub>2</sub> heterostructures. Nature Nanotechnology, 2014, 9, 682-686.	31.5	1,838
2	Ultrafast generation of pseudo-magnetic field for valley excitons in WSe <sub>2</sub> monolayers. Science, 2014, 346, 1205-1208.	12.6	261
3	An atlas of carbon nanotube optical transitions. Nature Nanotechnology, 2012, 7, 325-329.	31.5	186
4	Three-Dimensional Spirals of Atomic Layered MoS <sub>2</sub> . Nano Letters, 2014, 14, 6418-6423.	9.1	161
5	Observation of a Luttinger-liquid plasmon in metallic single-walled carbon nanotubes. Nature Photonics, 2015, 9, 515-519.	31.4	122
6	Probing Local Strain at MX <sub>2</sub> Metal Boundaries with Surface Plasmon-Enhanced Raman Scattering. Nano Letters, 2014, 14, 5329-5334.	9.1	118
7	Optimizing Broadband Terahertz Modulation with Hybrid Graphene/Metasurface Structures. Nano Letters, 2015, 15, 372-377.	9.1	109
8	Pixel-Level Extrinsic Self Calibration of High Resolution LiDAR and Camera in Targetless Environments. IEEE Robotics and Automation Letters, 2021, 6, 7517-7524.	5.1	105
9	High-throughput optical imaging and spectroscopy of individual carbon nanotubes in devices. Nature Nanotechnology, 2013, 8, 917-922.	31.5	92
10	Systematic determination of absolute absorption cross-section of individual carbon nanotubes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7564-7569.	7.1	69
11	Van der Waals-coupled electronic states in incommensurate double-walled carbon nanotubes. Nature Physics, 2014, 10, 737-742.	16.7	63
12	Quantum-coupled radial-breathing oscillations in double-walled carbon nanotubes. Nature Communications, 2013, 4, 1375.	12.8	54
13	CamVox: A Low-cost and Accurate Lidar-assisted Visual SLAM System. , 2021, , .		42
14	Low-Cost Retina-Like Robotic Lidars Based on Incommensurable Scanning. IEEE/ASME Transactions on Mechatronics, 2022, 27, 58-68.	5.8	41
15	Apparent breakdown of Raman selection rule at valley exciton resonances in monolayer MoS <sub>2</sub> . Physical Review B, 2017, 95, .	3.2	38
16	Intrinsic radial breathing oscillation in suspended single-walled carbon nanotubes. Physical Review B, 2011, 83, .	3.2	34
17	Efficient and Probabilistic Adaptive Voxel Mapping for Accurate Online LiDAR Odometry. IEEE Robotics and Automation Letters, 2022, 7, 8518-8525.	5.1	31
18	Broadly tunable mode-hop-free mid-infrared light source with MgO:PPLN continuous-wave optical parametric oscillator. Optics Letters, 2012, 37, 4982.	3.3	18

#	ARTICLE	IF	CITATIONS
19	Infrared Spectroscopy of Molecular Submonolayers on Surfaces by Infrared Scanning Tunneling Microscopy: Tetramantane on Au(111). <i>Physical Review Letters</i> , 2013, 111, 126101.	7.8	18
20	Intermolecular interactions and substrate effects for an adamantane monolayer on a Au(111) surface. <i>Physical Review B</i> , 2013, 88, .	3.2	6
21	Lidar With Velocity: Correcting Moving Objects Point Cloud Distortion From Oscillating Scanning Lidars by Fusion With Camera. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 8241-8248.	5.1	6