Ya-Qiong Xu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7862484/publications.pdf

Version: 2024-02-01

52 papers	2,303 citations	279798 23 h-index	206112 48 g-index
53 all docs	53 docs citations	53 times ranked	3639 citing authors

#	Article	IF	Citations
1	Probing Light-Stimulated Activities in the Retina via Transparent Graphene Electrodes. ACS Applied Bio Materials, 2022, 5, 305-312.	4.6	2
2	Enhanced photocurrent response speed in charge-density-wave phase of TiSe₂-metal junctions. Nanoscale, 2021, 13, 11836-11843.	5.6	8
3	Tunneling Effects in Crossed Ta₂Pt₃Se₈â€“Ta₂Pd₃Se₈ Nanowire Junctions: Implications for Anisotropic Photodetectors. ACS Applied Nano Materials, 2021, 4, 1817-1824.	5.0	9
4	Observation of superdiffusive phonon transport in aligned atomic chains. Nature Nanotechnology, 2021, 16, 764-768.	31.5	43
5	Optical Momentum Alignment Effect in WSe 2 Phototransistor. Advanced Optical Materials, 2021, 9, 2002243.	7.3	0
6	In situ monitoring of electrical and optoelectronic properties of suspended graphene ribbons during laser-induced morphological changes. Nanoscale Advances, 2020, 2, 4034-4040.	4.6	3
7	Ultrafast Photocurrent Response and High Detectivity in Two-Dimensional MoSe₂-based Heterojunctions. ACS Applied Materials & Interfaces, 2020, 12, 46476-46482.	8.0	21
8	Electrical and Thermal Transport through Silver Nanowires and Their Contacts: Effects of Elastic Stiffening. Nano Letters, 2020, 20, 7389-7396.	9.1	40
9	Net negative contributions of free electrons to the thermal conductivity of NbSe₃ nanowires. Physical Chemistry Chemical Physics, 2020, 22, 21131-21138.	2.8	4
10	Near-infrared optical transitions in PdSe₂ phototransistors. Nanoscale, 2019, 11, 14410-14416.	5.6	23
11	Reversible photo-induced doping in WSe₂ field effect transistors. Nanoscale, 2019, 11, 7358-7363.	5.6	20
12	The relationship between the Youngâ€™s modulus and dry etching rate of polydimethylsiloxane (PDMS). Biomedical Microdevices, 2019, 21, 26.	2.8	31
13	Gateâ€Tunable Photoresponse Time in Black Phosphorusâ€“MoS₂ Heterojunctions. Advanced Optical Materials, 2019, 7, 1800832.	7.3	23
14	Distinct Signatures of Electronâ€“Phonon Coupling Observed in the Lattice Thermal Conductivity of NbSe₃ Nanowires. Nano Letters, 2019, 19, 415-421.	9.1	37
15	Membrane cholesterol mediates the cellular effects of monolayer graphene substrates. Nature Communications, 2018, 9, 796.	12.8	45
16	High-Performance WSe₂ Phototransistors with 2D/2D Ohmic Contacts. Nano Letters, 2018, 18, 2766-2771.	9.1	105
17	Direct Measurement of Ï€ Coupling at the Single-Molecule Level using a Carbon Nanotube Force Sensor. Nano Letters, 2018, 18, 7883-7888.	9.1	8
18	Impact of Graphene on the Efficacy of Neuron Culture Substrates. Advanced Healthcare Materials, 2018, 7, e1701290.	7.6	20

#	Article	IF	Citations
19	Ultrasensitive Graphene Optoelectronic Probes for Recording Electrical Activities of Individual Synapses. Nano Letters, 2018, 18, 5702-5708.	9.1	13
20	Probing photoresponse of aligned single-walled carbon nanotube doped ultrathin MoS₂. Nanotechnology, 2018, 29, 345205.	2.6	9
21	Photonic Structure-Integrated Two-Dimensional Material Optoelectronics. Electronics (Switzerland), 2016, 5, 93.	3.1	19
22	Visualizing Light Scattering in Silicon Waveguides with Black Phosphorus Photodetectors. Advanced Materials, 2016, 28, 7162-7166.	21.0	29
23	Probing electrical signals in the retina via graphene-integrated microfluidic platforms. Nanoscale, 2016, 8, 19043-19049.	5.6	14
24	Ultrathin Single-Walled Carbon Nanotube Network Framed Graphene Hybrids. ACS Applied Materials & Interfaces, 2015, 7, 5233-5238.	8.0	19
25	Plasmonic Hot Electron Induced Photocurrent Response at MoS₂â€“Metal Junctions. ACS Nano, 2015, 9, 5357-5363.	14.6	91
26	Anisotropic photocurrent response at black phosphorusâ€“MoS₂pâ€“n heterojunctions. Nanoscale, 2015, 7, 18537-18541.	5.6	118
27	Thermal and optical properties of freestanding flat and stacked single-layer graphene in aqueous media. Applied Physics Letters, 2014, 104, .	3.3	9
28	Polarized photocurrent response in black phosphorus field-effect transistors. Nanoscale, 2014, 6, 8978-8983.	5.6	308
29	Magneto-fluorescent carbon nanotube-mediated siRNA for gastrin-releasing peptide receptor silencing in neuroblastoma. RSC Advances, 2013, 3, 4544.	3.6	5
30	Single-Walled Carbon Nanotube-Mediated Small Interfering RNA Delivery for Gastrin-Releasing Peptide Receptor Silencing in Human Neuroblastoma. Methods in Molecular Biology, 2013, 1026, 137-147.	0.9	8
31	Enhanced photoresponse in curled graphene ribbons. Nanoscale, 2013, 5, 12206.	5.6	8
32	Curling graphene ribbons through thermal annealing. Applied Physics Letters, 2013, 103, 183103.	3.3	9
33	Dual-modality photothermal optical coherence tomography and magnetic-resonance imaging of carbon nanotubes. Optics Letters, 2012, 37, 872.	3.3	30
34	Effect of Competitive Surface Functionalization on Dual-Modality Fluorescence and Magnetic Resonance Imaging of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 16319-16324.	3.1	14
35	Controlling the growth morphology of carbon nanotubes: from suspended bridges to upright forests. Nanoscale, 2012, 4, 1682.	5.6	1
36	Supergrowth of Nitrogen-Doped Single-Walled Carbon Nanotube Arrays: Active Species, Dopant Characterization, and Doped/Undoped Heterojunctions. ACS Nano, 2011, 5, 6925-6934.	14.6	37

#	Article	IF	Citations
37	Atomic-ensemble-based quantum repeater against general polarization and phase noise. Physical Review A, 2011, 84, .	2.5	6
38	Dry Contact Transfer Printing of Aligned Carbon Nanotube Patterns and Characterization of Their Optical Properties for Diameter Distribution and Alignment. ACS Nano, 2010, 4, 1131-1145.	14.6	90
39	Alignment dependence of one-dimensional electronic hopping transport observed in films of highly aligned, ultralong single-walled carbon nanotubes. Applied Physics Letters, 2009, 94, .	3.3	23
40	Bending and Twisting of Suspended Single-Walled Carbon Nanotubes in Solution. Nano Letters, 2009, 9, 1609-1614.	9.1	21
41	Investigation of Optimal Parameters for Oxide-Assisted Growth of Vertically Aligned Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 4125-4133.	3.1	91
42	Formation of Highly Dense Aligned Ribbons and Transparent Films of Single-Walled Carbon Nanotubes Directly from Carpets. ACS Nano, 2008, 2, 1871-1878.	14.6	98
43	Growth of Single-Walled Carbon Nanotubes on a Nanorough Surface. Journal of Physical Chemistry C, 2007, 111, 9142-9145.	3.1	3
44	Effects of atomic hydrogen and active carbon species in 1mm vertically aligned single-walled carbon nanotube growth. Applied Physics Letters, 2006, 89, 123116.	3.3	45
45	Vertical Array Growth of Small Diameter Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2006, 128, 6560-6561.	13.7	93
46	Controlled Multistep Purification of Single-Walled Carbon Nanotubes. Nano Letters, 2005, 5, 163-168.	9.1	130
47	Half-metallic ferromagnetism of MnBi in zincblende phase. Physica B: Condensed Matter, 2003, 329-333, 1117-1118.	2.7	48
48	Half-Metallic Ferromagnetism and Structural Stability of Zincblende Phases of the Transition-Metal Chalcogenides. Physical Review Letters, 2003, 91, 037204.	7.8	321
49	Half-metallic ferromagnetism of MnBi in the zinc-blende structure. Physical Review B, 2002, 66, .	3.2	127
50	Formation mechanism of adatom islands on fcc (111) substrates. Journal Physics D: Applied Physics, 2001, 34, 1137-1142.	2.8	3
51	Relativistic Calculation of Dielectronic Recombination on the C 4+ Ground State. Chinese Physics Letters, 2001, 18, 761-763.	3.3	1
52	Theoretical study of dielectronic recombination between electrons and heliumlike carbon ions. Physical Review A, 2000, 62, .	2.5	1