

David K Kim

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/10644916/david-k-kim-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

1,531
citations

19
h-index

22
g-index

22
ext. papers

1,709
ext. citations

15.9
avg, IF

4.13
L-index

#	Paper	IF	Citations
22	Improving qubit coherence using closed-loop feedback.. <i>Nature Communications</i> , 2022 , 13, 1932	17.4	0
21	Impact of ionizing radiation on superconducting qubit coherence. <i>Nature</i> , 2020 , 584, 551-556	50.4	47
20	Defect-Tolerant Plasmonic Elliptical Resonators for Long-Range Energy Transfer. <i>ACS Nano</i> , 2019 , 13, 9048-9056	16.7	1
19	Room-Temperature Strong Coupling of CdSe Nanoplatelets and Plasmonic Hole Arrays. <i>Nano Letters</i> , 2019 , 19, 108-115	11.5	17
18	Direct Patterning of Colloidal Quantum-Dot Thin Films for Enhanced and Spectrally Selective Out-Coupling of Emission. <i>Nano Letters</i> , 2017 , 17, 1319-1325	11.5	48
17	Photocatalytic Water-Splitting Enhancement by Sub-Bandgap Photon Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40180-40186	9.5	45
16	A customizable class of colloidal-quantum-dot spasers and plasmonic amplifiers. <i>Science Advances</i> , 2017 , 3, e1700688	14.3	39
15	Confocal reference free traction force microscopy. <i>Nature Communications</i> , 2016 , 7, 12814	17.4	78
14	Full-Spectrum Flexible Color Printing at the Diffraction Limit. <i>ACS Photonics</i> , 2016 , 3, 754-757	6.3	25
13	Flexible, High-Speed CdSe Nanocrystal Integrated Circuits. <i>Nano Letters</i> , 2015 , 15, 7155-60	11.5	47
12	Ultraviolet Plasmonic Chirality from Colloidal Aluminum Nanoparticles Exhibiting Charge-Selective Protein Detection. <i>Advanced Materials</i> , 2015 , 27, 6244-50	24	55
11	Wedge Waveguides and Resonators for Quantum Plasmonics. <i>Nano Letters</i> , 2015 , 15, 6267-75	11.5	88
10	Near-field light design with colloidal quantum dots for photonics and plasmonics. <i>Nano Letters</i> , 2014 , 14, 5827-33	11.5	55
9	Low-frequency (1/f) noise in nanocrystal field-effect transistors. <i>ACS Nano</i> , 2014 , 8, 9664-72	16.7	43
8	In situ repair of high-performance, flexible nanocrystal electronics for large-area fabrication and operation in air. <i>ACS Nano</i> , 2013 , 7, 8275-83	16.7	48
7	Solution-based stoichiometric control over charge transport in nanocrystalline CdSe devices. <i>ACS Nano</i> , 2013 , 7, 8760-70	16.7	41
6	Flexible and low-voltage integrated circuits constructed from high-performance nanocrystal transistors. <i>Nature Communications</i> , 2012 , 3, 1216	17.4	159

5	Remote doping and Schottky barrier formation in strongly quantum confined single PbSe nanowire field-effect transistors. <i>ACS Nano</i> , 2012 , 6, 4328-34	16.7	28
4	Bandlike transport in strongly coupled and doped quantum dot solids: a route to high-performance thin-film electronics. <i>Nano Letters</i> , 2012 , 12, 2631-8	11.5	310
3	Thiocyanate-capped nanocrystal colloids: vibrational reporter of surface chemistry and solution-based route to enhanced coupling in nanocrystal solids. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15753-61	16.4	278
2	Flexible, low-voltage, and low-hysteresis PbSe nanowire field-effect transistors. <i>ACS Nano</i> , 2011 , 5, 1007-16	16.7	50
1	Ambipolar and unipolar PbSe nanowire field-effect transistors. <i>ACS Nano</i> , 2011 , 5, 3230-6	16.7	29