

Dong-Kyun Ko

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8059218/dong-kyun-ko-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.

24
papers

792
citations

12
h-index

27
g-index

27
ext. papers

900
ext. citations

8.4
avg, IF

4.28
L-index

#	Paper	IF	Citations
24	High-Performance Oxide-Based p-n Heterojunctions Integrating p-SnO and n-InGaZnO. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55676-55686	9.5	1
23	Midwavelength Infrared p-n Heterojunction Diodes Based on Intraband Colloidal Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49043-49049	9.5	3
22	Vertically Stacked Intraband Quantum Dot Devices for Mid-Wavelength Infrared Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 937-943	9.5	9
21	Scalable Van der Waals Two-Dimensional PtTe Layers Integrated onto Silicon for Efficient Near-to-Mid Infrared Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 15542-15550	9.5	11
20	Mid-Wavelength Infrared Responsivity of Colloidal Quantum Dot/Organic Hybrid Photodetectors. <i>ECS Transactions</i> , 2020 , 97, 109-115	1	2
19	Wafer-scale 2D PtTe ₂ layers-enabled Kirigami heaters with superior mechanical stretchability and electro-thermal responsiveness. <i>Applied Materials Today</i> , 2020 , 20, 100718	6.6	8
18	Property engineering through nanomaterial chemical transformation of colloidal nanocrystal thin films. <i>Applied Surface Science</i> , 2020 , 513, 145721	6.7	1
17	Ligand engineering of mid-infrared Ag ₂ Se colloidal quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 124, 114223	3	7
16	High-performance thermoelectric silver selenide thin films cation exchanged from a copper selenide template. <i>Nanoscale Advances</i> , 2020 , 2, 368-376	5.1	11
15	Photoluminescence in PbS nanocrystal thin films: Nanocrystal density, film morphology and energy transfer. <i>Journal of Applied Physics</i> , 2020 , 128, 134301	2.5	1
14	The role of third cation doping on phase stability, carrier transport and carrier suppression in amorphous oxide semiconductors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 13798-13810	7.1	9
13	Colloidal-annealing of ZnO nanoparticles to passivate traps and improve charge extraction in colloidal quantum dot solar cells. <i>Nanoscale</i> , 2019 , 11, 17498-17505	7.7	16
12	Colloidal quantum dots for thermal infrared sensing and imaging. <i>Nano Convergence</i> , 2019 , 6, 7	9.2	46
11	Silver Selenide Colloidal Quantum Dots for Mid-Wavelength Infrared Photodetection. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1631-1636	5.6	25
10	(Invited) Mid-Infrared Colloidal Quantum Dot Based Nanoelectronics and Nano-Optoelectronics. <i>ECS Transactions</i> , 2019 , 92, 11-16	1	4
9	Protein-directed self-assembly of a fullerene crystal. <i>Nature Communications</i> , 2016 , 7, 11429	17.4	47
8	Photovoltaic Performance of PbS Quantum Dots Treated with Metal Salts. <i>ACS Nano</i> , 2016 , 10, 3382-8	16.7	70

7	Paper Thermoelectrics: Merging Nanotechnology with Naturally Abundant Fibrous Material. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22182-9	9.5	19
6	p-i-n Heterojunction solar cells with a colloidal quantum-dot absorber layer. <i>Advanced Materials</i> , 2014 , 26, 4845-50	24	64
5	Near-Infrared Absorption of Monodisperse Silver Telluride (Ag ₂ Te) Nanocrystals and Photoconductive Response of Their Self-Assembled Superlattices. <i>Chemistry of Materials</i> , 2011 , 23, 4657-4659	26	41
4	Enhanced thermopower via carrier energy filtering in solution-processable Pt-Sb ₂ Te ₃ nanocomposites. <i>Nano Letters</i> , 2011 , 11, 2841-4	11.5	200
3	Probing the Fermi energy level and the density of states distribution in PbTe nanocrystal (quantum dot) solids by temperature-dependent thermopower measurements. <i>ACS Nano</i> , 2011 , 5, 4810-7	16.7	45
2	Carrier distribution and dynamics of nanocrystal solids doped with artificial atoms. <i>Nano Letters</i> , 2010 , 10, 1842-7	11.5	40
1	Size-dependent phase transition memory switching behavior and low writing currents in GeTe nanowires. <i>Applied Physics Letters</i> , 2006 , 89, 223116	3.4	110