

# Corentin Dabard

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7762304/publications.pdf>

Version: 2024-02-01

15  
papers

255  
citations

840776

11  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex Optical Index of HgTe Nanocrystal Infrared Thin Films and Its Use for Short Wave Infrared Photodiode Design. <i>Advanced Optical Materials</i> , 2021, 9, 2002066.	7.3	36
2	Electroluminescence from HgTe Nanocrystals and Its Use for Active Imaging. <i>Nano Letters</i> , 2020, 20, 6185-6190.	9.1	28
3	Electroluminescence from nanocrystals above 2 $\mu\text{m}$ . <i>Nature Photonics</i> , 2022, 16, 38-44.	31.4	25
4	Surface Modification of CdE (E: S, Se, and Te) Nanoplatelets to Reach Thicker Nanoplatelets and Homostructures with Confinement-Induced Intraparticle Type I Energy Level Alignment. <i>Journal of the American Chemical Society</i> , 2021, 143, 1863-1872.	13.7	23
5	Correlating Structure and Detection Properties in HgTe Nanocrystal Films. <i>Nano Letters</i> , 2021, 21, 4145-4151.	9.1	23
6	Seeded Growth of HgTe Nanocrystals for Shape Control and Their Use in Narrow Infrared Electroluminescence. <i>Chemistry of Materials</i> , 2021, 33, 2054-2061.	6.7	16
7	Gate tunable vertical geometry phototransistor based on infrared HgTe nanocrystals. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	16
8	Optimized Infrared LED and Its Use in an All-HgTe Nanocrystal-Based Active Imaging Setup. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	16
9	Optimized Cation Exchange for Mercury Chalcogenide 2D Nanoplatelets and Its Application for Alloys. <i>Chemistry of Materials</i> , 2021, 33, 9252-9261.	6.7	14
10	Time-Resolved Photoemission to Unveil Electronic Coupling between Absorbing and Transport Layers in a Quantum Dot-Based Solar Cell. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23400-23409.	3.1	12
11	Chiral Helices Formation by Self-Assembled Molecules on Semiconductor Flexible Substrates. <i>ACS Nano</i> , 2022, 16, 2901-2909.	14.6	12
12	Split-Gate Photodiode Based on Graphene/HgTe Heterostructures with a Few Nanosecond Photoresponse. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4681-4688.	4.3	11
13	Guided-Mode Resonator Coupled with Nanocrystal Intraband Absorption. <i>ACS Photonics</i> , 2022, 9, 985-993.	6.6	10
14	2D Monolayer of the 1T <sup>TM</sup> Phase of Alloyed WSSe from Colloidal Synthesis. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11058-11065.	3.1	9
15	Colloidal II-VI Epitaxial III-V heterostructure: A strategy to expand InGaAs spectral response. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	4