

# Celeste L Melamed

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4092043/publications.pdf>

Version: 2024-02-01

18  
papers

549  
citations

687363

13  
h-index

996975

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-Range Order Tunes Optical Properties in Long-Range Disordered ZnSn <sub>2</sub> "ZnO Alloy. Chemistry of Materials, 2022, 34, 3910-3919.	6.7	6
2	Ternary Nitride Materials: Fundamentals and Emerging Device Applications. Annual Review of Materials Research, 2021, 51, 591-618.	9.3	34
3	Surface conversion of single-crystal Bi <sub>2</sub> Se <sub>3</sub> to $\hat{\Gamma}$ -In <sub>2</sub> Se <sub>3</sub> . Journal of Crystal Growth, 2021, 573, 126306.	1.5	0
4	Investigation of Off-stoichiometry in Ternary Nitrides by EDS and HRTEM. Microscopy and Microanalysis, 2020, 26, 1406-1407.	0.4	0
5	Combinatorial investigation of structural and optical properties of cation-disordered ZnGeN <sub>2</sub> . Journal of Materials Chemistry C, 2020, 8, 8736-8746.	5.5	28
6	Using resonant energy X-ray diffraction to extract chemical order parameters in ternary semiconductors. Journal of Materials Chemistry C, 2020, 8, 4350-4356.	5.5	13
7	Heteroepitaxial Integration of ZnGeN <sub>2</sub> on GaN Buffers Using Molecular Beam Epitaxy. Crystal Growth and Design, 2020, 20, 1868-1875.	3.0	24
8	Utilizing Site Disorder in the Development of New Energy-Relevant Semiconductors. ACS Energy Letters, 2020, 5, 2027-2041.	17.4	46
9	Combinatorial Synthesis of Magnesium Tin Nitride Semiconductors. Journal of the American Chemical Society, 2020, 142, 8421-8430.	13.7	42
10	Ternary nitride semiconductors in the rocksalt crystal structure. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14829-14834.	7.1	52
11	Combinatorial Tuning of Structural and Optoelectronic Properties in Cu Zn <sub>1-x</sub> S. Matter, 2019, 1, 862-880.	10.0	26
12	COMBIgor: Data-Analysis Package for Combinatorial Materials Science. ACS Combinatorial Science, 2019, 21, 537-547.	3.8	52
13	Blue-green emission from epitaxial yet cation-disordered $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{ZnGeN} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle \text{mathvariant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{x} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ Physical Review Materials, 2019, 3, .	2.4	23
14	Band Edge Positions and Their Impact on the Simulated Device Performance of ZnSnN <sub>2</sub> -Based Solar Cells. IEEE Journal of Photovoltaics, 2018, 8, 110-117.	2.5	25
15	Exciton photoluminescence and benign defect complex formation in zinc tin nitride. Materials Horizons, 2018, 5, 823-830.	12.2	41
16	Large Area Atomically Flat Surfaces via Exfoliation of Bulk Bi <sub>2</sub> Se <sub>3</sub> Single Crystals. Chemistry of Materials, 2017, 29, 8472-8477.	6.7	8
17	Single crystalline substrates for III- V growth via exfoliation of bulk single crystals. , 2017, , .		1
18	Combinatorial insights into doping control and transport properties of zinc tin nitride. Journal of Materials Chemistry C, 2015, 3, 11017-11028.	5.5	128