

Joshua L Knobloch

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

189
citations

1162889

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1588896

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20
all docs

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docs citations

20
times ranked

284
citing authors

#	ARTICLE	IF	CITATIONS
1	Nondestructive, high-resolution, chemically specific 3D nanostructure characterization using phase-sensitive EUV imaging reflectometry. <i>Science Advances</i> , 2021, 7, .	4.7	55
2	A General and Predictive Understanding of Thermal Transport from 1D- and 2D-Confined Nanostructures: Theory and Experiment. <i>ACS Nano</i> , 2021, 15, 13019-13030.	7.3	20
3	Directional thermal channeling: A phenomenon triggered by tight packing of heat sources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	9
4	Nondestructive Measurements of the Mechanical and Structural Properties of Nanostructured Metalattices. <i>Nano Letters</i> , 2020, 20, 3306-3312.	4.5	10
5	Full characterization of ultrathin 5-nm low- κ dielectric bilayers: Influence of dopants and surfaces on the mechanical properties. <i>Physical Review Materials</i> , 2020, 4, .	0.9	12
6	Full-Field Stroboscopic Imaging of Acoustic and Thermal Dynamics in Isolated Nanostructures Using Tabletop EUV Coherent Imaging. <i>Microscopy and Microanalysis</i> , 2019, 25, 42-43.	0.2	0
7	Ptychographic Complex Imaging Reflectometry for Spatially-Resolved Dopant Profiling Using a Tabletop EUV Source. <i>Microscopy and Microanalysis</i> , 2019, 25, 116-117.	0.2	0
8	Ultrafast dynamic imaging of thermal and acoustic dynamics in nanosystems using a tabletop high harmonic source. <i>EPJ Web of Conferences</i> , 2019, 205, 04005.	0.1	0
9	Ultra-low thermal conductivity and acoustic dynamics of Si nanostructured metalattices probed using ultrafast high harmonic beams. <i>EPJ Web of Conferences</i> , 2019, 205, 04006.	0.1	0
10	Engineering Nanoscale Thermal Transport: Size- and Spacing-Dependent Cooling of Nanostructures. <i>Physical Review Applied</i> , 2019, 11, .	1.5	28
11	Full-field imaging of thermal and acoustic dynamics in an individual nanostructure using tabletop high harmonic beams. <i>Science Advances</i> , 2018, 4, eaau4295.	4.7	24
12	Full-Field Functional Imaging of Acoustic Waves Using Tabletop High Harmonics. , 2018, , .		1
13	Characterization and imaging of nanostructured materials using tabletop extreme ultraviolet light sources. , 2018, , .		0
14	Nanoscale surface phononic crystals for characterization of complex and periodic materials using extreme ultraviolet light. , 2018, , .		0
15	Full Characterization of the Mechanical Properties of 11-50 nm Ultrathin Films: Influence of Network Connectivity on the Poisson's Ratio. <i>Nano Letters</i> , 2017, 17, 2178-2183.	4.5	29
16	Stroboscopic Imaging of Acoustic Waves in Nanostructures using Tabletop High Harmonics. , 2017, , .		0
17	Full-Field Functional Imaging of Nanoscale Dynamics Using Tabletop High Harmonics. , 2017, , .		1
18	Reliable characterization of materials and nanostructured systems <50nm using coherent EUV beams. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Directly probing thermal and acoustic dynamics in nanostructured systems using coherent EUV beams. , 2016, , .		0
20	Direct observation of efficient heat dissipation in close-packed nanoheaters using coherent EUV beams. , 2016, , .		0