

# Brian T Zutter

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

53  
citations

1937457

4  
h-index

1719901

7  
g-index

22  
all docs

22  
docs citations

22  
times ranked

75  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential electron yield imaging with STXM. Ultramicroscopy, 2021, 222, 113198.	0.8	2
2	Mapping Charge Recombination and the Effect of Point-Defect Insertion in GaAs Nanowire Heterojunctions. Physical Review Applied, 2021, 16, .	1.5	1
3	Visualizing the Electron Wind Force in the Elastic Regime. Nano Letters, 2021, 21, 10172-10177.	4.5	8
4	Electron-Transparent Thermoelectric Coolers Demonstrated with Nanoparticle and Condensation Thermometry. ACS Nano, 2020, 14, 11510-11517.	7.3	11
5	Silicon Photonics: Orientation- Controlled Selective- Area Epitaxy of III- V Nanowires on (001) Silicon for Silicon Photonics (Adv. Funct. Mater. 30/2020). Advanced Functional Materials, 2020, 30, 2070203.	7.8	0
6	Correlation of Joule Heating and Electromigration-induced Mass Transport within Nanoscale Co Interconnects by In Situ STEM. Microscopy and Microanalysis, 2020, 26, 152-154.	0.2	0
7	Electrical Isolation Preserved by Plasma Focused Ion Beam TEM Sample Preparation and Verified with STEM SEEBIC Imaging. Microscopy and Microanalysis, 2020, 26, 194-195.	0.2	0
8	Orientation- Controlled Selective- Area Epitaxy of III- V Nanowires on (001) Silicon for Silicon Photonics. Advanced Functional Materials, 2020, 30, 2002220.	7.8	12
9	Mapping Electronic State Changes with STEM EBIC. Microscopy and Microanalysis, 2019, 25, 1396-1397.	0.2	0
10	Inducing Electrically-Active Defects in a Gallium Arsenide Nanowire with an Electron Beam. Microscopy and Microanalysis, 2019, 25, 1618-1619.	0.2	0
11	Thermometry of Silicon Nanoparticles. Physical Review Applied, 2018, 9, .	1.5	14
12	Electromigration of Copper in Lithographically-Defined Aluminum Nanowires. Microscopy and Microanalysis, 2018, 24, 2190-2191.	0.2	0
13	Plasmon Energy Mapping in Aluminum and Indium with Sub-Nanometer Resolution. Microscopy and Microanalysis, 2017, 23, 378-379.	0.2	0
14	STEM EBIC Mapping of the Metal-Insulator Transition in Thin-film NbO <sub>2</sub> . Microscopy and Microanalysis, 2017, 23, 1428-1429.	0.2	1
15	Detailed In Situ Observations of Electromigration in Aluminum Wires. Microscopy and Microanalysis, 2017, 23, 1450-1451.	0.2	0
16	In Situ Observation of Cooling in a Bismuth Telluride and Bismuth-Antimony Telluride Nanoscale Heterojunction. Microscopy and Microanalysis, 2017, 23, 1996-1997.	0.2	0
17	Aluminum Nanoparticles as Fiducials for Nanoscale Temperature Measurements. Microscopy and Microanalysis, 2016, 22, 830-831.	0.2	1
18	Alloof Beam Plasmons in Silver Nanoparticles. Microscopy and Microanalysis, 2016, 22, 1642-1643.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Temperature Dependence of the Silicon Nitride Volume Plasmon. <i>Microscopy and Microanalysis</i> , 2016, 22, 1574-1575.	0.2	1
20	Temperature Dependence of the Volume Plasmon in Silicon Nanoparticles. <i>Microscopy and Microanalysis</i> , 2016, 22, 296-297.	0.2	0
21	Asymmetric Temperature Profiles in Joule-Heated in Aluminum Nanowires. <i>Microscopy and Microanalysis</i> , 2016, 22, 772-773.	0.2	0
22	In Situ Scanning Transmission Electron Microscopy (STEM) of Individual Electrochemical Intercalation Events in Graphite. <i>Microscopy and Microanalysis</i> , 2015, 21, 1193-1194.	0.2	1