

# Ebrahim Najafi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8921165/publications.pdf>

Version: 2024-02-01

13  
papers

463  
citations

840776

11  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

677  
citing authors

#	ARTICLE	IF	CITATIONS
1	Four-dimensional imaging of carrier interface dynamics in p-n junctions. <i>Science</i> , 2015, 347, 164-167.	12.6	90
2	Super-diffusion of excited carriers in semiconductors. <i>Nature Communications</i> , 2017, 8, 15177.	12.8	60
3	Spatial-Temporal Imaging of Anisotropic Photocarrier Dynamics in Black Phosphorus. <i>Nano Letters</i> , 2017, 17, 3675-3680.	9.1	56
4	Photo-excited hot carrier dynamics in hydrogenated amorphous silicon imaged by 4D electron microscopy. <i>Nature Nanotechnology</i> , 2017, 12, 871-876.	31.5	48
5	Polarization Dependence of the C 1s X-ray Absorption Spectra of Individual Multi-Walled Carbon Nanotubes. <i>Small</i> , 2008, 4, 2279-2285.	10.0	46
6	Scanning ultrafast electron microscopy: A novel technique to probe photocarrier dynamics with high spatial and temporal resolutions. <i>Materials Today Physics</i> , 2017, 2, 46-53.	6.0	37
7	Measuring Point Defect Density in Individual Carbon Nanotubes Using Polarization-Dependent X-ray Microscopy. <i>ACS Nano</i> , 2010, 4, 4431-4436.	14.6	36
8	Characterization of Single-Walled Carbon Nanotubes by Scanning Transmission X-ray Spectromicroscopy: Purification, Order and Dodecyl Functionalization. <i>Journal of the American Chemical Society</i> , 2010, 132, 9020-9029.	13.7	30
9	Imaging surface acoustic wave dynamics in semiconducting polymers by scanning ultrafast electron microscopy. <i>Ultramicroscopy</i> , 2018, 184, 46-50.	1.9	18
10	Metallic and Semiconducting Single-Walled Carbon Nanotubes: Differentiating Individual SWCNTs by Their Carbon 1s Spectra. <i>ACS Nano</i> , 2012, 6, 10965-10972.	14.6	17
11	Mapping defects in a carbon nanotube by momentum transfer dependent electron energy loss spectromicroscopy. <i>Ultramicroscopy</i> , 2012, 113, 158-164.	1.9	17
12	Ultrafast imaging of surface-exclusive carrier dynamics in silicon. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	6
13	Carrier density oscillation in the photoexcited semiconductor. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 125102.	2.8	2