

Yao Yang

List of Publications by Year in descending order

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17
papers

1,311
citations

1040056

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1199594

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docs citations

21
times ranked

2519
citing authors

#	ARTICLE	IF	CITATIONS
1	High Detectivity Graphene-Silicon Heterojunction Photodetector. <i>Small</i> , 2016, 12, 595-601.	10.0	370
2	Large-Area Ultrathin Graphene Films by Single-Step Marangoni Self-Assembly for Highly Sensitive Strain Sensing Application. <i>Advanced Functional Materials</i> , 2016, 26, 1322-1329.	14.9	326
3	Observing crystal nucleation in four dimensions using atomic electron tomography. <i>Nature</i> , 2019, 570, 500-503.	27.8	219
4	Determining the three-dimensional atomic structure of an amorphous solid. <i>Nature</i> , 2021, 592, 60-64.	27.8	193
5	Correlating the three-dimensional atomic defects and electronic properties of two-dimensional transition metal dichalcogenides. <i>Nature Materials</i> , 2020, 19, 867-873.	27.5	96
6	Three-dimensional atomic packing in amorphous solids with liquid-like structure. <i>Nature Materials</i> , 2022, 21, 95-102.	27.5	44
7	Solid-Phase Coalescence of Electrochemically Exfoliated Graphene Flakes into a Continuous Film on Copper. <i>Chemistry of Materials</i> , 2016, 28, 3360-3366.	6.7	28
8	Excitonic Resonant Emission-Absorption of Surface Plasmons in Transition Metal Dichalcogenides for Chip-Level Electronic-Photonic Integrated Circuits. <i>ACS Photonics</i> , 2016, 3, 869-874.	6.6	21
9	Strain Sensors: Large-Area Ultrathin Graphene Films by Single-Step Marangoni Self-Assembly for Highly Sensitive Strain Sensing Application (<i>Adv. Funct. Mater.</i> 9/2016). <i>Advanced Functional Materials</i> , 2016, 26, 1488-1488.	14.9	2
10	Determining the 3D Atomic Coordinates and Crystal Defects in 2D Materials with Picometer Precision. <i>Microscopy and Microanalysis</i> , 2019, 25, 404-405.	0.4	1
11	Atomic Electron Tomography: Past, Present and Future. <i>Microscopy and Microanalysis</i> , 2020, 26, 652-654.	0.4	1
12	Atomic Electron Tomography: Adding a New Dimension to See Single Atoms in Materials. <i>Microscopy and Microanalysis</i> , 2018, 24, 558-559.	0.4	0
13	3D Structure Determination of Pt-based Nanocatalysts at Atomic Resolution. <i>Microscopy and Microanalysis</i> , 2019, 25, 398-399.	0.4	0
14	4D Atomic Electron Tomography. <i>Microscopy and Microanalysis</i> , 2019, 25, 1814-1815.	0.4	0
15	Data Acquisition in 4D Atomic Electron Tomography. <i>Microscopy and Microanalysis</i> , 2019, 25, 1816-1817.	0.4	0
16	Capturing the Atomic Coordinates of Surface and Subsurface Structure in 4D with Atomic Electron Tomography. <i>Microscopy and Microanalysis</i> , 2020, 26, 1794-1796.	0.4	0
17	Imaging Nucleation, Growth and Disorder at the Single-atom Level by Atomic Electron Tomography (AET). <i>Microscopy and Microanalysis</i> , 2020, 26, 1848-1850.	0.4	0