Yao Yang

List of Publications by Year
in descending order

17 papers	1,311 citations	1040056 9 h-index	1199594 12 g-index
21 all docs	21 docs citations	21 times ranked	2519 citing authors

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