

Daniel S Fox

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,764
citations

623574

14
h-index

677027

22
g-index

23
all docs

23
docs citations

23
times ranked

3344
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxide-mediated recovery of field-effect mobility in plasma-treated MoS ₂ . Science Advances, 2018, 4, eaao5031.	4.7	82
2	Defect sizing, separation, and substrate effects in ion-irradiated monolayer two-dimensional materials. Physical Review B, 2018, 98, .	1.1	46
3	Ultrathin magnetite in $\text{Fe}_3\text{O}_4/\text{MgO}$ heterostructures: Investigating the enhanced thin film magnetic moment. Physical Review B, 2017, 95, .	1.1	8
4	Two-Dimensional Metal Oxide Nanoflower-Like Architectures: A General Growth Method and Their Applications in Energy Storage and as Model Materials for Nanofabrication. ChemPlusChem, 2017, 82, 295-302.	1.3	6
5	Quantitative secondary electron imaging for work function extraction at atomic level and layer identification of graphene. Scientific Reports, 2016, 6, 21045.	1.6	26
6	Sub-5 nm graphene nanopore fabrication by nitrogen ion etching induced by a low-energy electron beam. Nanotechnology, 2016, 27, 195302.	1.3	13
7	Helium Ion Microscopy for Two-Dimensional Materials. Nanoscience and Technology, 2016, , 245-262.	1.5	3
8	Nanopatterning and Electrical Tuning of MoS ₂ Layers with a Subnanometer Helium Ion Beam. Nano Letters, 2015, 15, 5307-5313.	4.5	171
9	Tunable nonlinear refractive index of two-dimensional MoS ₂ , WS ₂ , and MoSe ₂ nanosheet dispersions [Invited]. Photonics Research, 2015, 3, A51.	3.4	146
10	Morphology and properties of polypropylene/ethylene-octene copolymer/clay nanocomposites with double compatibilizers. Polymers for Advanced Technologies, 2014, 25, 1116-1121.	1.6	4
11	Ultrafast Saturable Absorption of Two-Dimensional MoS ₂ Nanosheets. ACS Nano, 2013, 7, 9260-9267.	7.3	905
12	Helium ion microscopy of graphene: beam damage, image quality and edge contrast. Nanotechnology, 2013, 24, 335702.	1.3	68
13	General approach to the analysis of plasmonic structures using spectroscopic ellipsometry. Physical Review B, 2013, 87, .	1.1	19
14	Enhanced photoluminescence from SiO ₂ /Au nanostructures. CrystEngComm, 2013, 15, 10116.	1.3	8
15	Microstructural and chemical variation of TiO ₂ electrodes in DSSCs after ethanol vapour treatment. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 71-76.	1.7	3
16	Morphology, rheology and mechanical properties of polypropylene/ethylene-octene copolymer/clay nanocomposites: Effects of the compatibilizer. Composites Science and Technology, 2012, 72, 1697-1704.	3.8	78
17	Equilibrium faceting formation in vicinal Al ₂ O ₃ (0001) surface caused by annealing. Surface Science, 2012, 606, 1815-1820.	0.8	21
18	Investigation of coupled cobalt-silver nanoparticle system by plan view TEM. Progress in Natural Science: Materials International, 2012, 22, 186-192.	1.8	4

#	ARTICLE	IF	CITATIONS
19	Controlled <i>in situ</i> growth of tunable plasmonic self-assembled nanoparticle arrays. <i>Nanotechnology</i> , 2012, 23, 035606.	1.3	22
20	The use of quartz crystal microbalance with dissipation (QCM-D) for studying nanoparticle-induced platelet aggregation. <i>International Journal of Nanomedicine</i> , 2012, 7, 243.	3.3	51
21	Nano-structuring, surface and bulk modification with a focused helium ion beam. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 579-585.	1.5	26
22	Nitrogen assisted etching of graphene layers in a scanning electron microscope. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	53