Smit A Shah

List of Publications by Year
in descending order

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21	2,010	516561	713332
papers	citations	16 h-index	21 g-index

21	21	21	2999
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antioxidants Unlock Shelf-Stable Ti3C2T (MXene) Nanosheet Dispersions. Matter, 2019, 1, 513-526.	5.0	436
2	Oxidation stability of Ti3C2Tx MXene nanosheets in solvents and composite films. Npj 2D Materials and Applications, 2019, 3, .	3.9	312
3	Surface-agnostic highly stretchable and bendable conductive MXene multilayers. Science Advances, 2018, 4, eaaq0118.	4.7	229
4	Water Sorption in MXene/Polyelectrolyte Multilayers for Ultrafast Humidity Sensing. ACS Applied Nano Materials, 2019, 2, 948-955.	2.4	173
5	High-yield scalable graphene nanosheet production from compressed graphite using electrochemical exfoliation. Scientific Reports, 2018, 8, 14525.	1.6	146
6	Challenges in Liquidâ€Phase Exfoliation, Processing, and Assembly of Pristine Graphene. Advanced Materials, 2016, 28, 8796-8818.	11.1	123
7	Translocation, trophic transfer, accumulation and depuration of polystyrene microplastics in Daphnia magna and Pimephales promelas. Environmental Pollution, 2020, 259, 113937.	3.7	115
8	pH, Nanosheet Concentration, and Antioxidant Affect the Oxidation of Ti₃C₂T_x and Ti₂CT_x MXene Dispersions. Advanced Materials Interfaces, 2020, 7, 2000845.	1.9	99
9	Highly Multifunctional Dopamine-Functionalized Reduced Graphene Oxide Supercapacitors. Matter, 2019, 1, 1532-1546.	5.0	66
10	Aqueous Exfoliation of Graphite into Graphene Assisted by Sulfonyl Graphene Quantum Dots for Photonic Crystal Applications. ACS Applied Materials & Interfaces, 2017, 9, 30797-30804.	4.0	42
11	Carbon nanotubes affect early growth, flowering time and phytohormones in tomato. Chemosphere, 2020, 256, 127042.	4.2	41
12	Bioaccumulation, stress, and swimming impairment in Daphnia magna exposed to multiwalled carbon nanotubes, graphene, and graphene oxide. Environmental Toxicology and Chemistry, 2017, 36, 2199-2204.	2.2	38
13	Aramid nanofiber-reinforced three-dimensional graphene hydrogels for supercapacitor electrodes. Journal of Colloid and Interface Science, 2020, 560, 581-588.	5.0	38
14	Determination of uptake, accumulation, and stress effects in corn (Zea mays L.) grown in single-wall carbon nanotube contaminated soil. Chemosphere, 2016, 152, 117-122.	4.2	37
15	Simulation of cyclic voltammetry in structural supercapacitors with pseudocapacitance behavior. Electrochimica Acta, 2021, 390, 138822.	2.6	31
16	Trophic Transfer and Accumulation of Multiwalled Carbon Nanotubes in the Presence of Copper Ions in Daphnia magna and Fathead Minnow (Pimephales promelas). Environmental Science & Technology, 2018, 52, 794-800.	4.6	18
17	Comparison of Nanoarchitecture to Porous Media Diffusion Models in Reduced Graphene Oxide/Aramid Nanofiber Electrodes for Supercapacitors. ACS Nano, 2020, 14, 5314-5323.	7.3	15
18	Dielectric Barrier Discharge Applicator for Heating Carbon Nanotube-Loaded Interfaces and Enhancing 3D-Printed Bond Strength. Nano Letters, 2020, 20, 2310-2315.	4.5	15

#	Article	IF	Citations
19	Lightweight Kevlarâ€Reinforced Graphene Oxide Architectures with High Strength for Energy Storage. Advanced Materials Interfaces, 2019, 6, 1900786.	1.9	14
20	Sprayâ€On Reduced Graphene Oxideâ€Poly(vinyl alcohol) Supercapacitors for Flexible Energy and Power. Advanced Materials Interfaces, 2018, 5, 1801237.	1.9	11
21	Scalable Production of Graphene Nanoplatelets for Energy Storage. ACS Applied Nano Materials, 2020, 3, 10303-10309.	2.4	11