

# Smit A Shah

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21  
papers

1,148  
citations

14  
h-index

21  
g-index

21  
ext. papers

1,547  
ext. citations

9.2  
avg, IF

4.73  
L-index

#	Paper	IF	Citations
21	Simulation of cyclic voltammetry in structural supercapacitors with pseudocapacitance behavior. <i>Electrochimica Acta</i> , <b>2021</b> , 390, 138822	6.7	6
20	Comparison of Nanoarchitecture to Porous Media Diffusion Models in Reduced Graphene Oxide/Aramid Nanofiber Electrodes for Supercapacitors. <i>ACS Nano</i> , <b>2020</b> , 14, 5314-5323	16.7	8
19	Dielectric Barrier Discharge Applicator for Heating Carbon Nanotube-Loaded Interfaces and Enhancing 3D-Printed Bond Strength. <i>Nano Letters</i> , <b>2020</b> , 20, 2310-2315	11.5	6
18	Carbon nanotubes affect early growth, flowering time and phytohormones in tomato. <i>Chemosphere</i> , <b>2020</b> , 256, 127042	8.4	27
17	Aramid nanofiber-reinforced three-dimensional graphene hydrogels for supercapacitor electrodes. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 560, 581-588	9.3	27
16	Translocation, trophic transfer, accumulation and depuration of polystyrene microplastics in <i>Daphnia magna</i> and <i>Pimephales promelas</i> . <i>Environmental Pollution</i> , <b>2020</b> , 259, 113937	9.3	56
15	Scalable Production of Graphene Nanoplatelets for Energy Storage. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 10303-10309	5.6	6
14	pH, Nanosheet Concentration, and Antioxidant Affect the Oxidation of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> and Ti <sub>2</sub> C <sub>2</sub> T <sub>x</sub> MXene Dispersions. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000845	4.6	31
13	Antioxidants Unlock Shelf-Stable Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) Nanosheet Dispersions. <i>Matter</i> , <b>2019</b> , 1, 513-526	12.7	210
12	Oxidation stability of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene nanosheets in solvents and composite films. <i>Npj 2D Materials and Applications</i> , <b>2019</b> , 3,	8.8	162
11	Highly Multifunctional Dopamine-Functionalized Reduced Graphene Oxide Supercapacitors. <i>Matter</i> , <b>2019</b> , 1, 1532-1546	12.7	45
10	Lightweight Kevlar-Reinforced Graphene Oxide Architectures with High Strength for Energy Storage. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900786	4.6	8
9	Water Sorption in MXene/Polyelectrolyte Multilayers for Ultrafast Humidity Sensing. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 948-955	5.6	99
8	Surface-agnostic highly stretchable and bendable conductive MXene multilayers. <i>Science Advances</i> , <b>2018</b> , 4, eaaq0118	14.3	157
7	Trophic Transfer and Accumulation of Multiwalled Carbon Nanotubes in the Presence of Copper Ions in <i>Daphnia magna</i> and Fathead Minnow ( <i>Pimephales promelas</i> ). <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 794-800	10.3	11
6	High-yield scalable graphene nanosheet production from compressed graphite using electrochemical exfoliation. <i>Scientific Reports</i> , <b>2018</b> , 8, 14525	4.9	91
5	Spray-On Reduced Graphene Oxide-Poly(vinyl alcohol) Supercapacitors for Flexible Energy and Power. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1801237	4.6	5

4	Bioaccumulation, stress, and swimming impairment in <i>Daphnia magna</i> exposed to multiwalled carbon nanotubes, graphene, and graphene oxide. <i>Environmental Toxicology and Chemistry</i> , <b>2017</b> , 36, 2199-2204	3.8	28
3	Aqueous Exfoliation of Graphite into Graphene Assisted by Sulfonyl Graphene Quantum Dots for Photonic Crystal Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30797-30804	9.5	35
2	Challenges in Liquid-Phase Exfoliation, Processing, and Assembly of Pristine Graphene. <i>Advanced Materials</i> , <b>2016</b> , 28, 8796-8818	24	97
1	Determination of uptake, accumulation, and stress effects in corn ( <i>Zea mays</i> L.) grown in single-wall carbon nanotube contaminated soil. <i>Chemosphere</i> , <b>2016</b> , 152, 117-22	8.4	33