

# Swetha Chandrasekaran

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,461  
citations

393982

19  
h-index

500791

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fracture toughness and failure mechanism of graphene based epoxy composites. <i>Composites Science and Technology</i> , 2014, 97, 90-99.	3.8	451
2	Efficient 3D Printed Pseudocapacitive Electrodes with Ultrahigh MnO <sub>2</sub> Loading. <i>Joule</i> , 2019, 3, 459-470.	11.7	352
3	3D printed functional nanomaterials for electrochemical energy storage. <i>Nano Today</i> , 2017, 15, 107-120.	6.2	302
4	Preparation and characterization of graphite nano-platelet (GNP)/epoxy nano-composite: Mechanical, electrical and thermal properties. <i>European Polymer Journal</i> , 2013, 49, 3878-3888.	2.6	274
5	3D-Printed Structure Boosts the Kinetics and Intrinsic Capacitance of Pseudocapacitive Graphene Aerogels. <i>Advanced Materials</i> , 2020, 32, e1906652.	11.1	191
6	Toughening mechanisms in polymer nanocomposites: From experiments to modelling. <i>Composites Science and Technology</i> , 2016, 123, 187-204.	3.8	181
7	The effect of carbon nanoparticles on the fatigue performance of carbon fibre reinforced epoxy. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 67, 233-240.	3.8	106
8	Direct ink writing of organic and carbon aerogels. <i>Materials Horizons</i> , 2018, 5, 1166-1175.	6.4	78
9	Improvement of compressive strength after impact in fibre reinforced polymer composites by matrix modification with thermally reduced graphene oxide. <i>Composites Science and Technology</i> , 2013, 87, 36-41.	3.8	74
10	Carbon aerogel evolution: Allotrope, graphene-inspired, and 3D-printed aerogels. <i>Journal of Materials Research</i> , 2017, 32, 4166-4185.	1.2	71
11	3D printing of high performance cyanate ester thermoset polymers. <i>Journal of Materials Chemistry A</i> , 2018, 6, 853-858.	5.2	65
12	Inertially enhanced mass transport using 3D-printed porous flow-through electrodes with periodic lattice structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	35
13	Thermally reduced graphene oxide acting as a trap for multiwall carbon nanotubes in bi-filler epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 49, 51-57.	3.8	34
14	Anomalous water diffusion in epoxy/carbon nanoparticle composites. <i>Polymer Degradation and Stability</i> , 2019, 164, 127-135.	2.7	34
15	Fracture, failure and compression behaviour of a 3D interconnected carbon aerogel (Aerographite) epoxy composite. <i>Composites Science and Technology</i> , 2016, 122, 50-58.	3.8	31
16	Complex shaped boron carbides from negative additive manufacturing. <i>Materials and Design</i> , 2018, 148, 8-16.	3.3	31
17	Efficient Hydrogen Delivery for Microbial Electrosynthesis via 3D-Printed Cathodes. <i>Frontiers in Microbiology</i> , 2021, 12, 696473.	1.5	25
18	Additive manufacturing of graded B <sub>4</sub> C-Al cermet with complex shapes. <i>Materials and Design</i> , 2020, 188, 108516.	3.3	24

#	ARTICLE	IF	CITATIONS
19	3D-printed nanoporous ceramics: Tunable feedstock for direct ink write and projection microstereolithography. <i>Materials and Design</i> , 2021, 198, 109337.	3.3	20
20	Three-Dimensional Printed MoS <sub>2</sub> /Graphene Aerogel Electrodes for Hydrogen Evolution Reactions. <i>ACS Materials Au</i> , 2022, 2, 596-601.	2.6	16
21	PC-12 cells adhesion and differentiation on carbon aerogel scaffolds. <i>MRS Communications</i> , 2018, 8, 1426-1432.	0.8	15
22	Impact of Filler Functionalisation on the Crystallinity, Thermal Stability and Mechanical Properties of Thermoplastic Elastomer/Carbon Nanotube Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 359-370.	1.7	13
23	Refractive index matched polymeric and preceramic resins for height-scalable two-photon lithography. <i>RSC Advances</i> , 2021, 11, 22633-22639.	1.7	10
24	Carbon aerogels with integrated engineered macroporous architectures for improved mass transport. <i>Carbon</i> , 2021, 179, 125-132.	5.4	10
25	Enhanced neurite outgrowth on electrically conductive carbon aerogel substrates in the presence of an external electric field. <i>Soft Matter</i> , 2021, 17, 4489-4495.	1.2	8
26	Noninvasive Detection, Tracking, and Characterization of Aerogel Implants Using Diagnostic Ultrasound. <i>Polymers</i> , 2022, 14, 722.	2.0	4
27	Negative Additive Manufacturing of Complex Shaped Boron Carbides. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	3
28	Developing reactors for electrifying bio-methanation: a perspective from bio-electrochemistry. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1249-1263.	2.5	3