

Suprem R Das

List of Publications by Year in descending order

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22
papers

573
citations

758635

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752256

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#	ARTICLE	IF	CITATIONS
1	Ultrafast Transient Absorption Spectroscopy of Inkjet-Printed Graphene and Aerosol Gel Graphene Films: Effect of Oxygen and Morphology on Carrier Relaxation Dynamics. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7949-7955.	1.5	1
2	Graphene Aerosol Gel Ink for Printing Micro-Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 7632-7641.	2.5	19
3	High-Performance and Ultralow-Noise Two-Dimensional Heterostructure Field-Effect Transistors with One-Dimensional Electrical Contacts. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4126-4134.	2.0	2
4	Experimental and modeling study of $1/f$ noise in multilayer MoS ₂ and MoSe ₂ field-effect transistors. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	4
5	High-field electromagnetic radiation converts carbon nanotubes to nanoribbons embedded with carbon nanocrystals. <i>Journal of Applied Physics</i> , 2020, 128, 024305.	1.1	2
6	Molybdenum Contacts to MoS ₂ Field-Effect Transistors: Schottky Barrier Extraction, Electrical Transport, and Low-Frequency Noise. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900880.	0.8	5
7	Response to "Comment on "Magnetic skyrmions in atomic thin CrI ₃ monolayer" [Appl. Phys. Lett. 116, 086101 (2020)]. <i>Applied Physics Letters</i> , 2020, 116, 086102.	1.5	0
8	Nanomachining of Carbon Nanotubes to Carbon Nanoribbons. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 682-682.	0.0	0
9	Transient evaporation of water thin film over nanostructured graphene. <i>Applied Surface Science</i> , 2019, 495, 143545.	3.1	4
10	Experimental investigation of condensation and freezing phenomena on hydrophilic and hydrophobic graphene coating. <i>Applied Thermal Engineering</i> , 2019, 160, 113987.	3.0	17
11	Magnetic skyrmions in atomic thin CrI ₃ monolayer. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	59
12	Transitions between channel and contact regimes of low-frequency noise in many-layer MoS ₂ field effect transistors. <i>Applied Physics Letters</i> , 2019, 114, 113502.	1.5	6
13	CIP2A immunosensor comprised of vertically-aligned carbon nanotube interdigitated electrodes towards point-of-care oral cancer screening. <i>Biosensors and Bioelectronics</i> , 2018, 117, 68-74.	5.3	37
14	Advances in Controlling Differentiation of Adult Stem Cells for Peripheral Nerve Regeneration. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701046.	3.9	30
15	Correlating Electronic Transport and $1/f$ Noise in MoSe ₂ Field-Effect Transistors. <i>Physical Review Applied</i> , 2018, 10, .	1.5	7
16	Enabling Inkjet Printed Graphene for Ion Selective Electrodes with Postprint Thermal Annealing. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12719-12727.	4.0	59
17	Electrical Differentiation of Mesenchymal Stem Cells into Schwann-Cell-Like Phenotypes Using Inkjet-Printed Graphene Circuits. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601087.	3.9	60
18	Inkjet Printing of Single-Crystalline Bi ₂ Te ₃ Thermoelectric Nanowire Networks. <i>Advanced Electronic Materials</i> , 2017, 3, 1600524.	2.6	48

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19	Superhydrophobic inkjet printed flexible graphene circuits <i>via</i> direct-pulsed laser writing. <i>Nanoscale</i> , 2017, 9, 19058-19065.	2.8	29
20	3D nanostructured inkjet printed graphene via UV-pulsed laser irradiation enables paper-based electronics and electrochemical devices. <i>Nanoscale</i> , 2016, 8, 15870-15879.	2.8	108
21	Low-frequency noise in MoSe ₂ field effect transistors. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	47
22	Biosensing with Förster Resonance Energy Transfer Coupling between Fluorophores and Nanocarbon Allotropes. <i>Sensors</i> , 2015, 15, 14766-14787.	2.1	29