

Inderpreet Kaur

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

507
citations

759233

12
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

774
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene quantum dots FRET based sensor for early detection of heart attack in human. <i>Biosensors and Bioelectronics</i> , 2016, 79, 495-499.	10.1	110
2	Ultrasensitive cardiac troponin I antibody based nanohybrid sensor for rapid detection of human heart attack. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 505-510.	7.5	62
3	Graphene nanoplatelet/graphitized nanodiamond-based nanocomposite for mediator-free electrochemical sensing of urea. <i>Food Chemistry</i> , 2020, 303, 125375.	8.2	49
4	Amperometric sensing of urea using edge activated graphene nanoplatelets. <i>RSC Advances</i> , 2015, 5, 13278-13284.	3.6	46
5	Simple and Mediator-Free Urea Sensing Based on Engineered Nanodiamonds with Polyaniline Nanofibers Synthesized in Situ. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16813-16823.	8.0	40
6	Electronic and transport behavior of doped armchair silicene nanoribbons exhibiting negative differential resistance and its FET performance. <i>RSC Advances</i> , 2017, 7, 12783-12792.	3.6	29
7	A comparative and a systematic study on the effects of B, N doping and C-atom vacancies on the band gap in narrow zig-zag graphene nanoribbons via quantum transport calculations. <i>Materials Research Bulletin</i> , 2017, 87, 167-176.	5.2	25
8	Low temperature processed graphene thin film transparent electrodes for supercapacitor applications. <i>RSC Advances</i> , 2016, 6, 78702-78713.	3.6	24
9	Fabrication of ultrathin, free-standing, transparent and conductive graphene/multiwalled carbon nanotube film with superior optoelectronic properties. <i>Thin Solid Films</i> , 2015, 595, 193-199.	1.8	22
10	Nanofibers synthesis of ND:PANI composite by liquid/liquid interfacial polymerization and study on the effect of NDs on growth mechanism of nanofibers. <i>European Polymer Journal</i> , 2016, 83, 1-9.	5.4	22
11	Magnetic field-guided orientation of carbon nanotubes through their conjugation with magnetic nanoparticles. <i>Journal of Materials Science</i> , 2012, 47, 1489-1496.	3.7	18
12	Doped armchair germanene nanoribbon exhibiting negative differential resistance and analysing its nano-FET performance. <i>Organic Electronics</i> , 2018, 54, 261-269.	2.6	17
13	Electrochemical detection of cortisol on graphene quantum dots modified electrodes using a rationally truncated high affinity aptamer. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2577-2588.	3.1	13
14	Modeling linearity and ambipolarity in GFETs on different dielectrics for communication applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2883-2889.	2.2	11
15	Nano Electronics: A New Era of Devices. <i>Solid State Phenomena</i> , 0, 222, 99-116.	0.3	10
16	Synthesis of Poly(ϵ -caprolactone) Microreactors from Freeze-Dried Microspheres. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 1275-1281.	1.9	5
17	Solution processed simple and scalable graphene patterning method for nanodevices application. <i>Materials Research Express</i> , 2016, 3, 125011.	1.6	2
18	Is it possible to differentiate between 2-phenylaminodihydro-1,3-thiazine from 2-phenyliminotetrahydro-1,3-thiazine by spectral methods? New glance to the old problem. <i>European Journal of Chemistry</i> , 2021, 12, 77-80.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Effect of annealing over optoelectronic properties of graphene based transparent electrodes. AIP Conference Proceedings, 2016, , .	0.4	0