Sachin Kumar

List of Publications by Year
in descending order

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52 papers	1,599 citations	331259 21 h-index	315357 38 g-index
62 all docs	62 docs citations	62 times ranked	2792 citing authors

#	Article	IF	Citations
1	Cohort Profile: The LoCARPoNâ€"a population-based prospective cohort study in middle-aged and older adults in India. International Journal of Epidemiology, 2022, 51, 29-30m.	0.9	7
2	Correlating Amino Acid Interaction with Graphene-Based Materials Regulating Cell Function. Journal of the Indian Institute of Science, 2022, 102, 639-651.	0.9	4
3	Antiepileptic-drug tapering and seizure recurrence: Correlation with serum drug levels and biomarkers in persons with epilepsy. Indian Journal of Pharmacology, 2022, 54, 24.	0.4	0
4	A Randomised Study To Compare Palonosetron With Ondansetron for Prophylaxis of Postoperative Nausea and Vomiting (PONV) Following Laparoscopic Gynecological Surgeries. Cureus, 2022, 14, e23615.	0.2	1
5	Molecular signature of postmortem lung tissue from COVID-19 patients suggests distinct trajectories driving mortality. DMM Disease Models and Mechanisms, 2022, 15, .	1.2	14
6	Biomechanical Dependence of SARS-CoV-2 Infections. ACS Applied Bio Materials, 2022, 5, 2307-2315.	2.3	1
7	Structural control of fibrin bioactivity by mechanical deformation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	9
8	Probing fibrin's molecular response to shear and tensile deformation with coherent Raman microscopy. Acta Biomaterialia, 2021, 121, 383-392.	4.1	16
9	Phototunable interpenetrating polymer network hydrogels to stimulate the vasculogenesis of stem cell-derived endothelial progenitors. Acta Biomaterialia, 2021, 122, 133-144.	4.1	12
10	Molecular Control of Interfacial Fibronectin Structure on Graphene Oxide Steers Cell Fate. ACS Applied Materials & Interfaces, 2021, 13, 2346-2359.	4.0	12
11	Effect of ambient temperature on respiratory tract cells exposed to SARS-CoV-2 viral mimicking nanospheresâ€"An experimental study. Biointerphases, 2021, 16, 011006.	0.6	5
12	L-Selectin expression is associated with inflammatory microenvironment and favourable prognosis in breast cancer. 3 Biotech, 2021, 11, 38.	1.1	9
13	Urine miRNA signature as a potential non-invasive diagnostic and prognostic biomarker in cervical cancer. Scientific Reports, 2021, 11, 10323.	1.6	31
14	Role of microRNAs in regulating cell proliferation, metastasis and chemoresistance and their applications as cancer biomarkers in small cell lung cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1876, 188552.	3.3	23
15	Evaluation of the programmed death-ligand 1 mRNA expression and immunopositivity and their correlation with survival outcomes in Indian lung cancer patients. Human Cell, 2021, , 1.	1.2	0
16	Seizure recurrence risk in persons with epilepsy undergoing antiepileptic drug tapering. Acta Neurologica Scandinavica, 2020, 141, 65-76.	1.0	8
17	Nanographene: ultrastabile, schaltbare und helle Sonden fÃ¼r die hochauflÃ¶sende Mikroskopie. Angewandte Chemie, 2020, 132, 504-510.	1.6	4
18	Nanographenes: Ultrastable, Switchable, and Bright Probes for Superâ€Resolution Microscopy. Angewandte Chemie - International Edition, 2020, 59, 496-502.	7.2	35

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19	Identification of differentially expressed circulating serum microRNA for the diagnosis and prognosis of Indian nonâ€“small cell lung cancer patients. Current Problems in Cancer, 2020, 44, 100540.	1.0	39
20	Biological functions of long noncoding RNAs and circular RNAs in small-cell lung cancer. Epigenomics, 2020, 12, 1751-1763.	1.0	6
21	Tension Causes Unfolding of Intracellular Vimentin Intermediate Filaments. Advanced Biology, 2020, 4, e2000111.	3.0	7
22	Differential expression of circulating serum miR-1249-3p, miR-3195, and miR-3692-3p in non-small cell lung cancer. Human Cell, 2020, 33, 839-849.	1.2	16
23	Role of non-coding RNA networks in leukemia progression, metastasis and drug resistance. Molecular Cancer, 2020, 19, 57.	7.9	68
24	Evaluation of adverse drug reaction profile of antiepileptic drugs in persons with epilepsy: A cross-sectional study. Epilepsy and Behavior, 2020, 105, 106947.	0.9	20
25	RÃ¼cktitelbild: Nanographene: ultrastabile, schaltbare und helle Sonden fÃ¼r die hochauflÃ¶sende Mikroskopie (Angew. Chem. 1/2020). Angewandte Chemie, 2020, 132, 516-516.	1.6	0
26	Dysregulation of miRNA expression and their prognostic significance in paediatric cytogenetically normal acute myeloid leukaemia. British Journal of Haematology, 2020, 188, e90-e94.	1.2	3
27	Linking graphene-based material physicochemical properties with molecular adsorption, structure and cell fate. Communications Chemistry, 2020, 3, .	2.0	87
28	PARP-1 inhibitor modulate Î²-catenin signaling to enhance cisplatin sensitivity in cancer cervix. Oncotarget, 2019, 10, 4262-4275.	0.8	20
29	Quantitative Mapping of Triacylglycerol Chain Length and Saturation Using Broadband CARSÂMicroscopy. Biophysical Journal, 2019, 116, 2346-2355.	0.2	11
30	Association of cutaneous adverse drug reactions due to antiepileptic drugs with HLA alleles in a North Indian population. Seizure: the Journal of the British Epilepsy Association, 2019, 66, 99-103.	0.9	28
31	Quantifying the Vasculogenic Potential of Induced Pluripotent Stem Cell-Derived Endothelial Progenitors in Collagen Hydrogels. Tissue Engineering - Part A, 2019, 25, 746-758.	1.6	27
32	Type I Collagen from Jellyfish Catostylus mosaicus for Biomaterial Applications. ACS Biomaterials Science and Engineering, 2018, 4, 2115-2125.	2.6	52
33	Epigenetic regulators of programmed death-ligand 1 expression in human cancers. Translational Research, 2018, 202, 129-145.	2.2	36
34	Synergistic interactions between silver decorated graphene and carbon nanotubes yield flexible composites to attenuate electromagnetic radiation. Nanotechnology, 2017, 28, 025201.	1.3	29
35	Multi-biofunctional polymer graphene composite for bone tissue regeneration that elutes copper ions to impart angiogenic, osteogenic and bactericidal properties. Colloids and Surfaces B: Biointerfaces, 2017, 159, 293-302.	2.5	61
36	Comprehensive Review on the Use of Graphene-Based Substrates for Regenerative Medicine and Biomedical Devices. ACS Applied Materials & Interfaces, 2016, 8, 26431-26457.	4.0	141

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37	3D scaffold alters cellular response to graphene in a polymer composite for orthopedic applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 732-749.	1.6	57
38	Multifunctional biodegradable polymer nanocomposite incorporating graphene-silver hybrid for biomedical applications. Materials and Design, 2016, 108, 319-332.	3.3	81
39	Facile synthesis of vanadia nanoparticles and assessment of antibacterial activity and cytotoxicity. Materials Technology, 2016, 31, 562-573.	1.5	22
40	Engineering a multi-biofunctional composite using poly(ethylenimine) decorated graphene oxide for bone tissue regeneration. Nanoscale, 2016, 8, 6820-6836.	2.8	107
41	Unimpeded permeation of water through biocidal graphene oxide sheets anchored on to 3D porous polyolefinic membranes. Nanoscale, 2016, 8, 8048-8057.	2.8	27
42	The drug ketamine: a double edged sword for mental health professionals. Journal of Substance Use, 2016, 21, 341-343.	0.3	2
43	Diagnostic & prognostic role of microRNAs in paediatric acute myeloid leukaemia. Indian Journal of Medical Research, 2016, 144, 807.	0.4	3
44	Strontium eluting graphene hybrid nanoparticles augment osteogenesis in a 3D tissue scaffold. Nanoscale, 2015, 7, 2023-2033.	2.8	91
45	Chemical Functionalization of Graphene To Augment Stem Cell Osteogenesis and Inhibit Biofilm Formation on Polymer Composites for Orthopedic Applications. ACS Applied Materials & Interfaces, 2015, 7, 3237-3252.	4.0	170
46	Enzymatically degradable EMI shielding materials derived from PCL based nanocomposites. RSC Advances, 2015, 5, 17716-17725.	1.7	32
47	Effect of organically modified clay on mechanical properties, cytotoxicity and bactericidal properties of poly(Ìµ-caprolactone) nanocomposites. Materials Research Express, 2014, 1, 045302.	0.8	12
48	Amine-functionalized multiwall carbon nanotubes impart osteoinductive and bactericidal properties in poly(Ìµ-caprolactone) composites. RSC Advances, 2014, 4, 19086-19098.	1.7	64
49	Efficacy of Plasma TGF-Î²1 Level in Predicting Therapeutic Efficacy and Prognosis in Patients with Advanced Non-Small Cell Lung Cancer. Cancer Investigation, 2011, 29, 202-207.	0.6	10
50	Plasma Nucleosome Levels Might Predict Response to Therapy in Patients With Advanced Nonâ€“Small-Cell Lung Cancer. Clinical Lung Cancer, 2010, 11, 36-44.	1.1	24
51	Utility of plasma tumour necrosis factor-Î± and transforming growth factor-Î²1 as predictors of survival and treatment outcome in advanced non-small cell lung carcinoma. Biomarkers, 2010, 15, 446-453.	0.9	4
52	Efficacy of circulating plasma DNA as a diagnostic tool for advanced non-small cell lung cancer and its predictive utility for survival and response to chemotherapy. Lung Cancer, 2010, 70, 211-217.	0.9	40