

Neha Garg

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,218
citations

201674

27
h-index

254184

43
g-index

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all docs

85
docs citations

85
times ranked

3564
citing authors

#	ARTICLE	IF	CITATIONS
1	An insight into SARS-CoV-2 membrane protein interaction with spike, envelope, and nucleocapsid proteins. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 1062-1071.	3.5	18
2	Reprofiling of approved drugs against SARS-CoV-2 main protease: an in-silico study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 3170-3184.	3.5	20
3	Targeting COVID-19 (SARS-CoV-2) main protease through active phytochemicals of ayurvedic medicinal plants – <i>Withania somnifera</i> (Ashwagandha), <i>Tinospora cordifolia</i> (Giloy) and <i>Ocimum sanctum</i> (Tulsi) – a molecular docking study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 190-203.	3.5	181
4	Quercetin acts as a P-gp modulator via impeding signal transduction from nucleotide-binding domain to transmembrane domain. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 4507-4515.	3.5	23
5	One microsecond MD simulations of the SARS-CoV-2 main protease and hydroxychloroquine complex reveal the intricate nature of binding. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 10763-10770.	3.5	2
6	Microsecond simulations and CD spectroscopy reveals the intrinsically disordered nature of SARS-CoV-2 spike-C-terminal cytoplasmic tail (residues 1242–1273) in isolation. <i>Virology</i> , 2022, 566, 42-55.	2.4	14
7	Flow Cytometry Approaches to Obtain Medulloblastoma Stem Cells from Bulk Cultures. <i>Methods in Molecular Biology</i> , 2022, 2423, 87-94.	0.9	0
8	Advancement of Single-Cell Sequencing in Medulloblastoma. <i>Methods in Molecular Biology</i> , 2022, 2423, 65-83.	0.9	0
9	Drug Screening Assays on Medulloblastoma Stem Cells Using Compound Libraries. <i>Methods in Molecular Biology</i> , 2022, 2423, 95-101.	0.9	0
10	Bacterioboat – A novel tool to increase the half-life period of the orally administered drug. <i>Science Advances</i> , 2022, 8, eabh1419.	10.3	10
11	Functional inhibition of c-Myc using novel inhibitors identified through “hot spot” targeting. <i>Journal of Biological Chemistry</i> , 2022, , 101898.	3.4	5
12	<i>Withania somnifera</i> - a magic plant targeting multiple pathways in cancer related inflammation. <i>Phytomedicine</i> , 2022, 101, 154137.	5.3	11
13	Substituent-Controlled Structural, Supramolecular, and Cytotoxic Properties of a Series of 2-Styryl-8-nitro and 2-Styryl-8-hydroxy Quinolines. <i>ACS Omega</i> , 2022, 7, 24838-24850.	3.5	3
14	Microbiome and host crosstalk: A new paradigm to cancer therapy. <i>Seminars in Cancer Biology</i> , 2021, 70, 71-84.	9.6	18
15	Molybdenum-based hetero-nanocomposites for cancer therapy, diagnosis and biosensing application: Current advancement and future breakthroughs. <i>Journal of Controlled Release</i> , 2021, 330, 257-283.	9.9	45
16	Specific targeting cancer cells with nanoparticles and drug delivery in cancer therapy. <i>Seminars in Cancer Biology</i> , 2021, 69, 166-177.	9.6	197
17	SARS-CoV-2 NSP1 C-terminal (residues 131–180) is an intrinsically disordered region in isolation. <i>Current Research in Virological Science</i> , 2021, 2, 100007.	3.5	23
18	Probing the interaction of glutathione with different shape of silver-nanoparticles by optical spectroscopy. <i>Materials Today Communications</i> , 2021, 26, 102137.	1.9	3

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19	Stimuli responsive and receptor targeted iron oxide based nanoplatfoms for multimodal therapy and imaging of cancer: Conjugation chemistry and alternative therapeutic strategies. <i>Journal of Controlled Release</i> , 2021, 333, 188-245.	9.9	31
20	Naturally Occurring Bioactives as Antivirals: Emphasis on Coronavirus Infection. <i>Frontiers in Pharmacology</i> , 2021, 12, 575877.	3.5	18
21	Effect of Protein Corona on the Drug Delivery of Carbogenic Nanodots and Their Mapping by Fluorescence Lifetime Imaging Microscopy. <i>ACS Applied Bio Materials</i> , 2021, 4, 5776-5785.	4.6	1
22	A novel inhibitor L755507 efficiently blocks c-Myc α MAX heterodimerization and induces apoptosis in cancer cells. <i>Journal of Biological Chemistry</i> , 2021, 297, 100903.	3.4	13
23	Salvianolic acid B noncovalently interacts with α disordered c-Myc: a computational and spectroscopic-based study. <i>Future Medicinal Chemistry</i> , 2021, 13, 1341-1352.	2.3	4
24	In silico screening of Pueraria tuberosa (PTY-2) for targeting COVID-19 by countering dual targets Mpro and TMPRSS2. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-14.	3.5	2
25	The role of microRNA-21 in the onset and progression of cancer. <i>Future Medicinal Chemistry</i> , 2021, 13, 1885-1906.	2.3	34
26	Conformational dynamics of 13 amino acids long NSP11 of SARS-CoV-2 under membrane mimetics and different solvent conditions. <i>Microbial Pathogenesis</i> , 2021, 158, 105041.	2.9	26
27	Indian medicinal plants as drug leads in neurodegenerative disorders. , 2021, , 31-45.		11
28	Excited-State Intramolecular Hydrogen-Bonding-Assisted Restricted Rotation: A Mechanism for Monitoring Intracellular Viscosity and Distinguishing Malignant, Differentiating, and Apoptotic Cancer Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 7532-7541.	4.6	6
29	Production, Transmission, Pathogenesis, and Control of Dengue Virus: A Literature-Based Undivided Perspective. <i>BioMed Research International</i> , 2021, 2021, 1-23.	1.9	17
30	Preparation, characterization and in vitro cytotoxicity of Fenofibrate and Nabumetone loaded solid lipid nanoparticles. <i>Materials Science and Engineering C</i> , 2020, 106, 110184.	7.3	42
31	Insulin-copper quantum clusters preparation and receptor targeted bioimaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110785.	5.0	11
32	Mitochondria- and nucleolus-targeted copper(i) complexes with pyrazole-linked triphenylphosphine moieties for live cell imaging. <i>Analyst</i> , The, 2020, 145, 83-90.	3.5	8
33	Bisindolemethane derivatives as highly potent anticancer agents: Synthesis, medicinal activity evaluation, cell-based compound discovery, and computational target predictions. <i>Computers in Biology and Medicine</i> , 2020, 116, 103574.	7.0	9
34	Biocatalytic Aza α Michael Addition of Aromatic Amines to Enone Using α -Amylase in Water. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 858-866.	4.3	30
35	Adjunct use of honey in diabetes mellitus: A consensus or conundrum?. <i>Trends in Food Science and Technology</i> , 2020, 106, 254-274.	15.1	31
36	Synthesis, Crystal Structure and Substituent Controlled Photoluminescence and Chemosensing Properties of a Series of 2,2'-bis(Arylene-divinylene)bis α -hydroxyquinolines. <i>ChemistrySelect</i> , 2020, 5, 5429-5436.	1.5	5

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37	Influence of Family Environment and Tobacco Addiction: A Short Report from a Post-Graduate Teaching Hospital, India. International Journal of Environmental Research and Public Health, 2020, 17, 2868.	2.6	9
38	Cordyceps spp.: A Review on Its Immune-Stimulatory and Other Biological Potentials. Frontiers in Pharmacology, 2020, 11, 602364.	3.5	57
39	Molecular Aspects of Cancer Cell Metabolism: Altered Glycolysis and Lipid Metabolism. , 2020, , 27-37.		0
40	Acoustic Cavitation-Assisted Formulation of Solid Lipid Nanoparticles using Different Stabilizers. ACS Omega, 2019, 4, 13360-13370.	3.5	33
41	A naphthalimide-based novel "Turn-On" fluorescence approach for the determination of uric acid and monitoring of xanthine oxidase activity. Analytical Methods, 2019, 11, 4190-4196.	2.7	11
42	Acoustic cavitation assisted hot melt mixing technique for solid lipid nanoparticles formulation, characterization, and controlled delivery of poorly water soluble drugs. Journal of Drug Delivery Science and Technology, 2019, 54, 101277.	3.0	30
43	Anticancer SAR establishment and novel accruing signal transduction model of drug action using biscoumarin scaffold. Computational Biology and Chemistry, 2019, 83, 107104.	2.3	8
44	Photocatalytic Degradation of Bisphenol-A using N, Co Codoped TiO ₂ Catalyst under Solar Light. Scientific Reports, 2019, 9, 765.	3.3	102
45	The dark proteome of cancer: Intrinsic disorder and functionality of HIF-1 α along with its interacting proteins. Progress in Molecular Biology and Translational Science, 2019, 166, 371-403.	1.7	25
46	Dual responsive specifically labelled carbogenic fluorescent nanodots for super resolution and electron microscopy. Nanoscale, 2019, 11, 6561-6565.	5.6	10
47	One Pot Synthesis of Amphiphilic Carbogenic Fluorescent Nanodots for Bioimaging. ChemNanoMat, 2019, 5, 417-421.	2.8	2
48	Multifunctional Magneto-Fluorescent Nanocarriers for Dual Mode Imaging and Targeted Drug Delivery. ACS Applied Nano Materials, 2019, 2, 3060-3072.	5.0	35
49	Development of a fused imidazo[1,2- <i>a</i>]pyridine based fluorescent probe for Fe ³⁺ and Hg ²⁺ in aqueous media and HeLa cells. RSC Advances, 2019, 9, 29856-29863.	3.6	28
50	Amine-functionalized, porous silica-coated NaYF ₄ :Yb/Er upconversion nanophosphors for efficient delivery of doxorubicin and curcumin. Materials Science and Engineering C, 2019, 96, 86-95.	7.3	32
51	Gold conjugated carbon dots nano assembly: FRET paired fluorescence probe for cysteine recognition. Sensors and Actuators B: Chemical, 2019, 282, 515-522.	7.8	34
52	Pyrophosphate Prompted Aggregation-Induced Emission: Chemosensor Studies, Cell Imaging, Cytotoxicity, and Hydrolysis of the Phosphoester Bond with Alkaline Phosphatase. European Journal of Inorganic Chemistry, 2019, 2019, 628-638.	2.0	6
53	BM11 is a therapeutic target in recurrent medulloblastoma. Oncogene, 2019, 38, 1702-1716.	5.9	20
54	Carbon dots as analytical tools for sensing of thioredoxin reductase and screening of cancer cells. Analyst, The, 2018, 143, 1853-1861.	3.5	29

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55	Flexible gastroendoscope as a rescue device for an anaesthetist. <i>Journal of Clinical Anesthesia</i> , 2018, 45, 73-74.	1.6	2
56	Solid lipid nanoparticles for the controlled delivery of poorly water soluble non-steroidal anti-inflammatory drugs. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 686-696.	8.2	87
57	Hydroxychloroquine Inhibits Zika Virus NS2B-NS3 Protease. <i>ACS Omega</i> , 2018, 3, 18132-18141.	3.5	86
58	Targeting Nucleotide Binding Domain of Multidrug Resistance-associated Protein-1 (MRP1) for the Reversal of Multi Drug Resistance in Cancer. <i>Scientific Reports</i> , 2018, 8, 11973.	3.3	14
59	A highly selective naphthalimide-based ratiometric fluorescent probe for the recognition of tyrosinase and cellular imaging. <i>Analyst</i> , The, 2018, 143, 4476-4483.	3.5	29
60	Curcumin encapsulated zeolitic imidazolate frameworks as stimuli responsive drug delivery system and their interaction with biomimetic environment. <i>Scientific Reports</i> , 2017, 7, 12598.	3.3	107
61	Carbon Dot Based, Naphthalimide Coupled FRET Pair for Highly Selective Ratiometric Detection of Thioredoxin Reductase and Cancer Screening. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25847-25856.	8.0	64
62	Synthesis, characterization and anticancer activities of metal ions Fe and Cu doped and co-doped TiO ₂ . <i>New Journal of Chemistry</i> , 2017, 41, 9931-9937.	2.8	33
63	CD133+ brain tumor-initiating cells are dependent on STAT3 signaling to drive medulloblastoma recurrence. <i>Oncogene</i> , 2017, 36, 606-617.	5.9	49
64	TRTH-13. BMI1 IS A THERAPEUTIC TARGET IN RECURRENT MEDULLOBLASTOMA. <i>Neuro-Oncology</i> , 2017, 19, iv54-iv54.	1.2	1
65	MicroRNAs-Proteomic Networks Characterizing Human Medulloblastoma-SLCs. <i>Stem Cells International</i> , 2016, 2016, 1-10.	2.5	8
66	PS1 - 170 Bmi1 is a Therapeutic Target in Recurrent Childhood Medulloblastoma. <i>Canadian Journal of Neurological Sciences</i> , 2016, 43, S10-S10.	0.5	0
67	Abstract 2475: Bmi1 is a therapeutic target in recurrent medulloblastoma. , 2016, , .		0
68	Epstein-Barr virus infection induces miR-21 in terminally differentiated malignant B cells. <i>International Journal of Cancer</i> , 2015, 137, 1491-1497.	5.1	34
69	MicroRNA Regulation of Brain Tumour Initiating Cells in Central Nervous System Tumours. <i>Stem Cells International</i> , 2015, 2015, 1-15.	2.5	20
70	The Role of Stem Cells in Pediatric Central Nervous System Malignancies. <i>Advances in Experimental Medicine and Biology</i> , 2015, 853, 49-68.	1.6	7
71	Pyruvium Targets CD133 in Human Glioblastoma Brain Tumor-Initiating Cells. <i>Clinical Cancer Research</i> , 2015, 21, 5324-5337.	7.0	48
72	STAT3 pathway regulates lung-derived brain metastasis initiating cell capacity through miR-21 activation. <i>Oncotarget</i> , 2015, 6, 27461-27477.	1.8	55

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73	SOX2 IDENTIFIES THE TREATMENT-REFRACTORY STEM CELL POPULATION IN GROUP 2 MEDULLOBLASTOMA. <i>Neuro-Oncology</i> , 2014, 16, iii5-iii5.	1.2	1
74	High-throughput microRNA profiling of pediatric high-grade gliomas. <i>Neuro-Oncology</i> , 2014, 16, 228-240.	1.2	31
75	microRNA-17-92 cluster is a direct Nanog target and controls neural stem cell through Trp53inp1. <i>EMBO Journal</i> , 2013, 32, 2819-2832.	7.8	70
76	Differential regulation of miR-21 and miR-146a by Epstein-Barr virus-encoded EBNA2. <i>Leukemia</i> , 2012, 26, 2343-2352.	7.2	82
77	Inhibition of the Growth of <i>Plasmodium falciparum</i> in Culture by Stearylamine-Phosphatidylcholine Liposomes. <i>Journal of Parasitology Research</i> , 2011, 2011, 1-9.	1.2	21
78	Development of ferrocene-appended benzimidazopyridine and pyrroloquinoxaline probes for structure regulated distinct signalling of Fe ³⁺ in aqueous media and HeLa cells. <i>Applied Organometallic Chemistry</i> , 0, , .	3.5	2