

Neha Garg

List of Publications by Citations

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Version: 2024-04-28

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77
papers

1,319
citations

22
h-index

34
g-index

85
ext. papers

1,817
ext. citations

5.3
avg, IF

5.07
L-index

#	Paper	IF	Citations
77	Targeting COVID-19 (SARS-CoV-2) main protease through active phytochemicals of ayurvedic medicinal plants - (Ashwagandha), (Giloy) and (Tulsi) - a molecular docking study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-14	3.6	83
76	TRTH-13. BMI1 IS A THERAPEUTIC TARGET IN RECURRENT MEDULLOBLASTOMA. <i>Neuro-Oncology</i> , 2017 , 19, iv54-iv54	1	78
75	Curcumin encapsulated zeolitic imidazolate frameworks as stimuli responsive drug delivery system and their interaction with biomimetic environment. <i>Scientific Reports</i> , 2017 , 7, 12598	4.9	69
74	Differential regulation of miR-21 and miR-146a by Epstein-Barr virus-encoded EBNA2. <i>Leukemia</i> , 2012 , 26, 2343-52	10.7	68
73	Photocatalytic Degradation of Bisphenol-A using N, Co Codoped TiO Catalyst under Solar Light. <i>Scientific Reports</i> , 2019 , 9, 765	4.9	67
72	Solid lipid nanoparticles for the controlled delivery of poorly water soluble non-steroidal anti-inflammatory drugs. <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 686-696	8.9	64
71	Specific targeting cancer cells with nanoparticles and drug delivery in cancer therapy. <i>Seminars in Cancer Biology</i> , 2021 , 69, 166-177	12.7	59
70	Hydroxychloroquine Inhibits Zika Virus NS2B-NS3 Protease. <i>ACS Omega</i> , 2018 , 3, 18132-18141	3.9	57
69	microRNA-17-92 cluster is a direct Nanog target and controls neural stem cell through Trp53inp1. <i>EMBO Journal</i> , 2013 , 32, 2819-32	13	55
68	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	8.5	51
67	CD133 brain tumor-initiating cells are dependent on STAT3 signaling to drive medulloblastoma recurrence. <i>Oncogene</i> , 2017 , 36, 606-617	9.2	37
66	STAT3 pathway regulates lung-derived brain metastasis initiating cell capacity through miR-21 activation. <i>Oncotarget</i> , 2015 , 6, 27461-77	3.3	37
65	Pyrvinium Targets CD133 in Human Glioblastoma Brain Tumor-Initiating Cells. <i>Clinical Cancer Research</i> , 2015 , 21, 5324-37	12.9	29
64	High-throughput microRNA profiling of pediatric high-grade gliomas. <i>Neuro-Oncology</i> , 2014 , 16, 228-40	1	28
63	Multifunctional Magneto-Fluorescent Nanocarriers for Dual Mode Imaging and Targeted Drug Delivery. <i>ACS Applied Nano Materials</i> , 2019 , 2, 3060-3072	5.6	26
62	Epstein-Barr virus infection induces miR-21 in terminally differentiated malignant B cells. <i>International Journal of Cancer</i> , 2015 , 137, 1491-7	7.5	26
61	Gold conjugated carbon dots nano assembly: FRET paired fluorescence probe for cysteine recognition. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 515-522	8.5	25

60	Carbon dots as analytical tools for sensing of thioredoxin reductase and screening of cancer cells. <i>Analyst, The</i> , 2018 , 143, 1853-1861	5	24
59	A highly selective naphthalimide-based ratiometric fluorescent probe for the recognition of tyrosinase and cellular imaging. <i>Analyst, The</i> , 2018 , 143, 4476-4483	5	23
58	Acoustic cavitation assisted hot melt mixing technique for solid lipid nanoparticles formulation, characterization, and controlled delivery of poorly water soluble drugs. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 54, 101277	4.5	23
57	Preparation, characterization and in vitro cytotoxicity of Fenofibrate and Nabumetone loaded solid lipid nanoparticles. <i>Materials Science and Engineering C</i> , 2020 , 106, 110184	8.3	23
56	Acoustic Cavitation-Assisted Formulation of Solid Lipid Nanoparticles using Different Stabilizers. <i>ACS Omega</i> , 2019 , 4, 13360-13370	3.9	22
55	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	3.6	22
54	Amine-functionalized, porous silica-coated NaYF ₃ :Yb/Er upconversion nanophosphors for efficient delivery of doxorubicin and curcumin. <i>Materials Science and Engineering C</i> , 2019 , 96, 86-95	8.3	22
53	Inhibition of the Growth of Plasmodium falciparum in Culture by Stearylamine-Phosphatidylcholine Liposomes. <i>Journal of Parasitology Research</i> , 2011 , 2011, 120462	1.9	20
52	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	11.7	20
51	MicroRNA Regulation of Brain Tumour Initiating Cells in Central Nervous System Tumours. <i>Stem Cells International</i> , 2015 , 2015, 141793	5	18
50	The dark proteome of cancer: Intrinsic disorder and functionality of HIF-1 α along with its interacting proteins. <i>Progress in Molecular Biology and Translational Science</i> , 2019 , 166, 371-403	4	15
49	Development of a fused imidazo[1,2-]pyridine based fluorescent probe for Fe and Hg in aqueous media and HeLa cells. <i>RSC Advances</i> , 2019 , 9, 29856-29863	3.7	14
48	Adjunct use of honey in diabetes mellitus: A consensus or conundrum?. <i>Trends in Food Science and Technology</i> , 2020 , 106, 254-274	15.3	13
47	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> , 2020 , 1-9	3.6	11
46	Biocatalytic Aza-Michael Addition of Aromatic Amines to Enone Using α -Amylase in Water. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 858-866	5.6	11
45	Reprofiling of approved drugs against SARS-CoV-2 main protease: an in-silico study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-15	3.6	11
44	BMI1 is a therapeutic target in recurrent medulloblastoma. <i>Oncogene</i> , 2019 , 38, 1702-1716	9.2	11
43	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	11.7	10

42	spp.: A Review on Its Immune-Stimulatory and Other Biological Potentials. <i>Frontiers in Pharmacology</i> , 2020 , 11, 602364	5.6	9
41	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	4.9	8
40	Microbiome and host crosstalk: A new paradigm to cancer therapy. <i>Seminars in Cancer Biology</i> , 2021 , 70, 71-84	12.7	8
39	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	8
38	Dual responsive specifically labelled carbogenic fluorescent nanodots for super resolution and electron microscopy. <i>Nanoscale</i> , 2019 , 11, 6561-6565	7.7	7
37	MicroRNAs-Proteomic Networks Characterizing Human Medulloblastoma-SLCs. <i>Stem Cells International</i> , 2016 , 2016, 2683042	5	7
36	The role of microRNA-21 in the onset and progression of cancer. <i>Future Medicinal Chemistry</i> , 2021 , 13, 1885-1906	4.1	7
35	Anticancer SAR establishment and novel accruing signal transduction model of drug action using biscoumarin scaffold. <i>Computational Biology and Chemistry</i> , 2019 , 83, 107104	3.6	6
34	A naphthalimide-based novel Turn-On Fluorescence approach for the determination of uric acid and monitoring of xanthine oxidase activity. <i>Analytical Methods</i> , 2019 , 11, 4190-4196	3.2	6
33	The role of stem cells in pediatric central nervous system malignancies. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 853, 49-68	3.6	6
32	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	6
31	Naturally Occurring Bioactives as Antivirals: Emphasis on Coronavirus Infection. <i>Frontiers in Pharmacology</i> , 2021 , 12, 575877	5.6	6
30	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	3.8	6
29	A novel inhibitor L755507 efficiently blocks c-Myc-MAX heterodimerization and induces apoptosis in cancer cells. <i>Journal of Biological Chemistry</i> , 2021 , 297, 100903	5.4	5
28	SARS-CoV-2 NSP1 C-terminal region (residues 130-180) is an intrinsically disordered region		4
27	Conformational Dynamics of NSP11 Peptide of SARS-CoV-2 Under Membrane Mimetics and Different Solvent Conditions		4
26	Insulin-copper quantum clusters preparation and receptor targeted bioimaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 188, 110785	6	4
25	Mitochondria- and nucleolus-targeted copper(i) complexes with pyrazole-linked triphenylphosphine moieties for live cell imaging. <i>Analyst</i> , 2019 , 145, 83-90	5	4

24	Withania somnifera - a magic plant targeting multiple pathways in cancer related inflammation.. <i>Phytomedicine</i> , 2022 , 101, 154137	6.5	4
23	Influence of Family Environment and Tobacco Addiction: A Short Report from a Post-Graduate Teaching Hospital, India. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	3
22	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> , 2021 , 566, 42-55	3.6	3
21	Salvianolic acid B noncovalently interacts with intrinsically disordered c-Myc: a computational and spectroscopic-based study. <i>Future Medicinal Chemistry</i> , 2021 , 13, 1341-1352	4.1	3
20	Indian medicinal plants as drug leads in neurodegenerative disorders 2021 , 31-45		3
19	An insight into SARS-CoV-2 membrane protein interaction with spike, envelope, and nucleocapsid proteins.. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-10	3.6	3
18	One Pot Synthesis of Amphiphilic Carbogenic Fluorescent Nanodots for Bioimaging. <i>ChemNanoMat</i> , 2019 , 5, 417-421	3.5	2
17	Synthesis, Crystal Structure and Substituent Controlled Photoluminescence and Chemosensing Properties of a Series of 2,2'-(Arylene)divinylene)bis-8-hydroxyquinolines. <i>ChemistrySelect</i> , 2020 , 5, 5429-5436	1.8	2
16	Flexible gastroendoscope as a rescue device for an anaesthetist. <i>Journal of Clinical Anesthesia</i> , 2018 , 45, 73-74	1.9	2
15	Pyrophosphate Prompted Aggregation-Induced Emission: Chemosensor Studies, Cell Imaging, Cytotoxicity, and Hydrolysis of the Phosphoester Bond with Alkaline Phosphatase. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 628-638	2.3	2
14	Production, Transmission, Pathogenesis, and Control of Dengue Virus: A Literature-Based Undivided Perspective.. <i>BioMed Research International</i> , 2021 , 2021, 4224816	3	2
13	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	4.1	1
12	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> , 2021 , 1-8	3.6	1
11	screening of (PTY-2) for targeting COVID-19 by countering dual targets M and TMPRSS2. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-14	3.6	1
10	Functional inhibition of c-Myc using novel inhibitors identified through "hot spot" targeting.. <i>Journal of Biological Chemistry</i> , 2022 , 101898	5.4	1
9	Probing the interaction of glutathione with different shape of silver-nanoparticles by optical spectroscopy. <i>Materials Today Communications</i> , 2021 , 26, 102137	2.5	0
8	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	4.1	0
7	Bacterioboat-A novel tool to increase the half-life period of the orally administered drug.. <i>Science Advances</i> , 2022 , 8, eabh1419	14.3	0

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5 Drug Screening Assays on Medulloblastoma Stem Cells Using Compound Libraries.. *Methods in Molecular Biology*, **2022**, 2423, 95-101 1.4

4 Molecular Aspects of Cancer Cell Metabolism: Altered Glycolysis and Lipid Metabolism **2020**, 27-37

3 Flow Cytometry Approaches to Obtain Medulloblastoma Stem Cells from Bulk Cultures.. *Methods in Molecular Biology*, **2022**, 2423, 87-94 1.4

2 Advancement of Single-Cell Sequencing in Medulloblastoma.. *Methods in Molecular Biology*, **2022**, 2423, 65-83 1.4

1 PS1 - 170 Bmi1 is a Therapeutic Target in Recurrent Childhood Medulloblastoma. *Canadian Journal of Neurological Sciences*, **2016**, 43, S10-S10 1