

# Neha Garg

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8247678/publications.pdf>

Version: 2024-02-01

78  
papers

2,218  
citations

201674

27  
h-index

254184

43  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3564  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Photocatalytic Degradation of Bisphenol-A using N, Co Codoped TiO <sub>2</sub> Catalyst under Solar Light. <i>Scientific Reports</i> , 2019, 9, 765.	3.3	102
5	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
6	Hydroxychloroquine Inhibits Zika Virus NS2B-NS3 Protease. <i>ACS Omega</i> , 2018, 3, 18132-18141.	3.5	86
7	Differential regulation of miR-21 and miR-146a by Epstein-Barr virus-encoded EBNA2. <i>Leukemia</i> , 2012, 26, 2343-2352.	7.2	82
8	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
9	Carbon Dot Based, Naphthalimide Coupled FRET Pair for Highly Selective Ratiometric Detection of Thioredoxin Reductase and Cancer Screening. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25847-25856.	8.0	64
10	Cordyceps spp.: A Review on Its Immune-Stimulatory and Other Biological Potentials. <i>Frontiers in Pharmacology</i> , 2020, 11, 602364.	3.5	57
11	STAT3 pathway regulates lung-derived brain metastasis initiating cell capacity through miR-21 activation. <i>Oncotarget</i> , 2015, 6, 27461-27477.	1.8	55
12	CD133+ brain tumor-initiating cells are dependent on STAT3 signaling to drive medulloblastoma recurrence. <i>Oncogene</i> , 2017, 36, 606-617.	5.9	49
13	Pyruvium Targets CD133 in Human Glioblastoma Brain Tumor-Initiating Cells. <i>Clinical Cancer Research</i> , 2015, 21, 5324-5337.	7.0	48
14	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
15	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
16	Multifunctional Magneto-Fluorescent Nanocarriers for Dual Mode Imaging and Targeted Drug Delivery. <i>ACS Applied Nano Materials</i> , 2019, 2, 3060-3072.	5.0	35
17	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
18	Gold conjugated carbon dots nano assembly: FRET paired fluorescence probe for cysteine recognition. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 515-522.	7.8	34

#	ARTICLE	IF	CITATIONS
19	The role of microRNA-21 in the onset and progression of cancer. <i>Future Medicinal Chemistry</i> , 2021, 13, 1885-1906.	2.3	34
20	Synthesis, characterization and anticancer activities of metal ions Fe and Cu doped and co-doped TiO <sub>2</sub> . <i>New Journal of Chemistry</i> , 2017, 41, 9931-9937.	2.8	33
21	Acoustic Cavitation-Assisted Formulation of Solid Lipid Nanoparticles using Different Stabilizers. <i>ACS Omega</i> , 2019, 4, 13360-13370.	3.5	33
22	Amine-functionalized, porous silica-coated NaYF <sub>4</sub> :Yb/Er upconversion nanophosphors for efficient delivery of doxorubicin and curcumin. <i>Materials Science and Engineering C</i> , 2019, 96, 86-95.	7.3	32
23	High-throughput microRNA profiling of pediatric high-grade gliomas. <i>Neuro-Oncology</i> , 2014, 16, 228-240.	1.2	31
24	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
25	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
26	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.	3.0	30
27	Biocatalytic Aza-Michael Addition of Aromatic Amines to Enone Using $\alpha$ -Amylase in Water. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 858-866.	4.3	30
28	Carbon dots as analytical tools for sensing of thioredoxin reductase and screening of cancer cells. <i>Analyst</i> , 2018, 143, 1853-1861.	3.5	29
29	A highly selective naphthalimide-based ratiometric fluorescent probe for the recognition of tyrosinase and cellular imaging. <i>Analyst</i> , 2018, 143, 4476-4483.	3.5	29
30	Development of a fused imidazo[1,2- <i>a</i> ]pyridine based fluorescent probe for Fe <sup>3+</sup> and Hg <sup>2+</sup> in aqueous media and HeLa cells. <i>RSC Advances</i> , 2019, 9, 29856-29863.	3.6	28
31	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
32	The dark proteome of cancer: Intrinsic disorderedness and functionality of HIF-1 $\alpha$ along with its interacting proteins. <i>Progress in Molecular Biology and Translational Science</i> , 2019, 166, 371-403.	1.7	25
33	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
34	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
35	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
36	MicroRNA Regulation of Brain Tumour Initiating Cells in Central Nervous System Tumours. <i>Stem Cells International</i> , 2015, 2015, 1-15.	2.5	20

#	ARTICLE	IF	CITATIONS
37	BMI1 is a therapeutic target in recurrent medulloblastoma. <i>Oncogene</i> , 2019, 38, 1702-1716.	5.9	20
38	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
39	Microbiome and host crosstalk: A new paradigm to cancer therapy. <i>Seminars in Cancer Biology</i> , 2021, 70, 71-84.	9.6	18
40	Naturally Occurring Bioactives as Antivirals: Emphasis on Coronavirus Infection. <i>Frontiers in Pharmacology</i> , 2021, 12, 575877.	3.5	18
41	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
42	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
43	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
44	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
45	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.	3.4	13
46	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.	2.7	11
47	Insulin-copper quantum clusters preparation and receptor targeted bioimaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110785.	5.0	11
48	Indian medicinal plants as drug leads in neurodegenerative disorders. , 2021, , 31-45.		11
49	<i>Withania somnifera</i> - a magic plant targeting multiple pathways in cancer related inflammation. <i>Phytomedicine</i> , 2022, 101, 154137.	5.3	11
50	Dual responsive specifically labelled carbogenic fluorescent nanodots for super resolution and electron microscopy. <i>Nanoscale</i> , 2019, 11, 6561-6565.	5.6	10
51	Bacteriophage A novel tool to increase the half-life period of the orally administered drug. <i>Science Advances</i> , 2022, 8, eabh1419.	10.3	10
52	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
53	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, 2868.	2.6	9
54	MicroRNAs-Proteomic Networks Characterizing Human Medulloblastoma-SLCs. <i>Stem Cells International</i> , 2016, 2016, 1-10.	2.5	8

#	ARTICLE	IF	CITATIONS
55	Anticancer SAR establishment and novel accruing signal transduction model of drug action using biscoumarin scaffold. <i>Computational Biology and Chemistry</i> , 2019, 83, 107104.	2.3	8
56	Mitochondria- and nucleolus-targeted copper(i) complexes with pyrazole-linked triphenylphosphine moieties for live cell imaging. <i>Analyst, The</i> , 2020, 145, 83-90.	3.5	8
57	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
58	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.	2.0	6
59	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
60	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.	1.5	5
61	Functional inhibition of c-Myc using novel inhibitors identified through "hot spot" targeting. <i>Journal of Biological Chemistry</i> , 2022, , 101898.	3.4	5
62	Salvianolic acid B noncovalently interacts with disordered c-Myc: a computational and spectroscopic-based study. <i>Future Medicinal Chemistry</i> , 2021, 13, 1341-1352.	2.3	4
63	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
64	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
65	Flexible gastroendoscope as a rescue device for an anaesthetist. <i>Journal of Clinical Anesthesia</i> , 2018, 45, 73-74.	1.6	2
66	One Pot Synthesis of Amphiphilic Carbogenic Fluorescent Nanodots for Bioimaging. <i>ChemNanoMat</i> , 2019, 5, 417-421.	2.8	2
67	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
68	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
69	Development of ferrocene-appended benzimidazopyridine and pyrroloquinoxaline probes for structure regulated distinct signalling of Fe <sup>3+</sup> in aqueous media and HeLa cells. <i>Applied Organometallic Chemistry</i> , 0, , .	3.5	2
70	SOX2 IDENTIFIES THE TREATMENT-REFRACTORY STEM CELL POPULATION IN GROUP 2 MEDULLOBLASTOMA. <i>Neuro-Oncology</i> , 2014, 16, iii5-iii5.	1.2	1
71	TRTH-13. BMI1 IS A THERAPEUTIC TARGET IN RECURRENT MEDULLOBLASTOMA. <i>Neuro-Oncology</i> , 2017, 19, iv54-iv54.	1.2	1
72	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

#	ARTICLE	IF	CITATIONS
73	PS1 - 170 Bmi1 is a Therapeutic Target in Recurrent Childhood Medulloblastoma. Canadian Journal of Neurological Sciences, 2016, 43, S10-S10.	0.5	0
74	Abstract 2475: Bmi1 is a therapeutic target in recurrent medulloblastoma. , 2016, , .		0
75	Molecular Aspects of Cancer Cell Metabolism: Altered Glycolysis and Lipid Metabolism. , 2020, , 27-37.		0
76	Flow Cytometry Approaches to Obtain Medulloblastoma Stem Cells from Bulk Cultures. Methods in Molecular Biology, 2022, 2423, 87-94.	0.9	0
77	Advancement of Single-Cell Sequencing in Medulloblastoma. Methods in Molecular Biology, 2022, 2423, 65-83.	0.9	0
78	Drug Screening Assays on Medulloblastoma Stem Cells Using Compound Libraries. Methods in Molecular Biology, 2022, 2423, 95-101.	0.9	0