

# Ashutosh Singh

## List of Publications by Year in descending order

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33  
papers

923  
citations

471509

17  
h-index

454955

30  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1462  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	The role of microRNA-21 in the onset and progression of cancer. <i>Future Medicinal Chemistry</i> , 2021, 13, 1885-1906.	2.3	34
10	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
11	Acoustic Cavitation-Assisted Formulation of Solid Lipid Nanoparticles using Different Stabilizers. <i>ACS Omega</i> , 2019, 4, 13360-13370.	3.5	33
12	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
13	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
14	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
15	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
16	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
17	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
18	Microbiome and host crosstalk: A new paradigm to cancer therapy. <i>Seminars in Cancer Biology</i> , 2021, 70, 71-84.	9.6	18

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19	Mammalian antimicrobial peptide protegrin self assembles and forms amyloid-like aggregates: Assessment of its functional relevance. <i>Journal of Peptide Science</i> , 2019, 25, e3151.	1.4	17
20	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
21	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
22	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
23	Dual responsive specifically labelled carbogenic fluorescent nanodots for super resolution and electron microscopy. <i>Nanoscale</i> , 2019, 11, 6561-6565.	5.6	10
24	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
25	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
26	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
27	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
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	Functional inhibition of c-Myc using novel inhibitors identified through hot spot-targeting. <i>Journal of Biological Chemistry</i> , 2022, , 101898.	3.4	5
30	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
31	Molecular characterization by using 12S rRNA and Cytochrome b for identification of species of genus <i>Ratufa</i> (Rodentia: Scuridae) including <i>Ratufa indica</i> , endemic species of India. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 3085-3091.	0.4	2
32	One Pot Synthesis of Amphiphilic Carbogenic Fluorescent Nanodots for Bioimaging. <i>ChemNanoMat</i> , 2019, 5, 417-421.	2.8	2
33	Molecular Phylogeny of Rediscovered Travancore Flying Squirrel ( <i>Petinomys fuscocapillus</i> ) and its Conservation Implications. <i>Current Science</i> , 2016, 110, 659.	0.8	0