

Gaurav Das

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

660
citations

623734

14
h-index

580821

25
g-index

36
all docs

36
docs citations

36
times ranked

1169
citing authors

#	ARTICLE	IF	CITATIONS
1	Power of an Organic Electron Acceptor in Modulation of Intracellular Mitochondrial Reactive Oxygen Species: Inducing JNK- and Caspase-Dependent Apoptosis of Cancer Cells. <i>ACS Omega</i> , 2021, 6, 7815-7828.	3.5	2
2	Fluorine Substituted Proline Enhances the Tubulin Binding Potential of a Tetrapeptide at the GTP Binding Pocket Causing the Inhibition of Microtubule Motility and an Antimitotic Effect. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8768-8780.	2.6	3
3	Effect of gold nanoparticles on the structure and neuroprotective function of protein L-isoaspartyl methyltransferase (PIMT). <i>Scientific Reports</i> , 2021, 11, 14296.	3.3	9
4	Increasing incidence of colorectal cancer among Indians: Concerns and the way forward. <i>Cancer Research Statistics and Treatment</i> , 2021, 4, 771.	0.6	4
5	The role of isoaspartate in fibrillation and its prevention by Protein-L-isoaspartyl methyltransferase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129500.	2.4	16
6	Rhodamine-Based Metal Chelator: A Potent Inhibitor of Metal-Catalyzed Amyloid Toxicity. <i>ACS Omega</i> , 2020, 5, 18958-18967.	3.5	14
7	Human Serum Albumin-Inspired Glycopeptide-Based Multifunctional Inhibitor of Amyloid- β Toxicity. <i>ACS Omega</i> , 2020, 5, 18628-18641.	3.5	6
8	An overview of key potential therapeutic strategies for combat in the COVID-19 battle. <i>RSC Advances</i> , 2020, 10, 28243-28266.	3.6	34
9	Extracellular Matrix (ECM)-Mimicking Neuroprotective Injectable Sulfo-Functionalized Peptide Hydrogel for Repairing Brain Injury. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2287-2296.	5.2	27
10	Neurological Insights of COVID-19 Pandemic. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1206-1209.	3.5	126
11	Generation of Neurospheres from Mixed Primary Hippocampal and Cortical Neurons Isolated from E14-E16 Sprague Dawley Rat Embryo. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	3
12	Tripodal molecular propellers perturb microtubule dynamics: indole acts as a blade and plays a crucial role in anticancer activity. <i>Chemical Communications</i> , 2019, 55, 2356-2359.	4.1	4
13	Why Microtubules Should Be Considered as One of the Supplementary Targets for Designing Neurotherapeutics. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1118-1120.	3.5	6
14	Mitochondria-Targeted New Blue Light-Emitting Fluorescent Molecular Probe. <i>ACS Omega</i> , 2019, 4, 9361-9366.	3.5	2
15	Dual-Arm Nanocapsule Targets Neuropilin-1 Receptor and Microtubule: A Potential Nanomedicine Platform. <i>Molecular Pharmaceutics</i> , 2019, 16, 2522-2531.	4.6	13
16	Potential Neuroprotective Peptide Emerged from Dual Neurotherapeutic Targets: A Fusion Approach for the Development of Anti-Alzheimer's™s Lead. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2609-2620.	3.5	14
17	Power of Tyrosine Assembly in Microtubule Stabilization and Neuroprotection Fueled by Phenol Appendages. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1506-1516.	3.5	5
18	Glial-Neuron Transformation by "Chemical Cocktail". <i>ACS Chemical Neuroscience</i> , 2019, 10, 42-43.	3.5	4

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19	Discovery of Neuroregenerative Peptoid from Amphibian Neuropeptide That Inhibits Amyloid- β Toxicity and Crosses Blood-Brain Barrier. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1355-1368.	3.5	15
20	Neuro-Regenerative Choline-Functionalized Injectable Graphene Oxide Hydrogel Repairs Focal Brain Injury. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1535-1543.	3.5	29
21	Spatial Position Regulates Power of Tryptophan: Discovery of a Major-Groove-Specific Nuclear-Localizing, Cell-Penetrating Tetrapeptide. <i>Journal of the American Chemical Society</i> , 2018, 140, 1697-1714.	13.7	36
22	Designed Tetrapeptide Interacts with Tubulin and Microtubule. <i>Langmuir</i> , 2018, 34, 1123-1132.	3.5	16
23	Probing the conformational dynamics of photosystem I in unconfined and confined spaces. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 449-455.	2.8	2
24	Crafting of Neuroprotective Octapeptide from Taxol-Binding Pocket of β -Tubulin. <i>ACS Chemical Neuroscience</i> , 2018, 9, 615-625.	3.5	25
25	Neurosphere Development from Hippocampal and Cortical Embryonic Mixed Primary Neuron Culture: A Potential Platform for Screening Neurochemical Modulator. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2870-2878.	3.5	12
26	Genesis of Neuroprotective Peptoid from β -34 Inhibits β Aggregation and AChE Activity. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2929-2940.	3.5	13
27	Matrix metalloproteinase targeted peptide vesicles for delivering anticancer drugs. <i>Chemical Communications</i> , 2018, 54, 9309-9312.	4.1	8
28	Peptide-Based Acetylcholinesterase Inhibitor Crosses the Blood-Brain Barrier and Promotes Neuroprotection. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2838-2848.	3.5	30
29	Biodegradable Neuro-Compatible Peptide Hydrogel Promotes Neurite Outgrowth, Shows Significant Neuroprotection, and Delivers Anti-Alzheimer Drug. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5067-5076.	8.0	57
30	Cancer Cell Specific Delivery of Photosystem I Through Integrin Targeted Liposome Shows Significant Anticancer Activity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 176-188.	8.0	23
31	Methanolic Extract of Papaya Leaves Shows Neuroprotective Effect. <i>ChemistrySelect</i> , 2017, 2, 9454-9457.	1.5	4
32	A dual functional liposome specifically targets melanoma cells through integrin and ephrin receptors. <i>RSC Advances</i> , 2016, 6, 113487-113491.	3.6	10
33	Novel tubulin-targeted cell penetrating antimetabolic octapeptide. <i>Chemical Communications</i> , 2016, 52, 12657-12660.	4.1	13
34	Apo ferritin Nanocage Delivers Combination of Microtubule and Nucleus Targeting Anticancer Drugs. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30824-30832.	8.0	36
35	Regioselective synthesis of naphthoquinone/naphthoquinol-carbohydrate hybrids by [4 + 2] anionic annulations and studies on their cytotoxicity. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10636-10647.	2.8	19
36	Spectral mapping of 3D multi-cellular tumor spheroids: time-resolved confocal microscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18381-18390.	2.8	20