

# Pritam Kumar Panda

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9517053/publications.pdf>

Version: 2024-02-01

91  
papers

2,561  
citations

196777

29  
h-index

242451

47  
g-index

92  
all docs

92  
docs citations

92  
times ranked

3041  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Hha <sup>+</sup> TomB toxin <sup>+</sup> antitoxin module in Salmonella enterica serovar Typhimurium limits its intracellular survival profile and regulates host immune response. Cell Biology and Toxicology, 2022, 38, 111-127.	2.4	10
2	Molecular nanoinformatics approach assessing the biocompatibility of biogenic silver nanoparticles with channelized intrinsic steatosis and apoptosis. Green Chemistry, 2022, 24, 1190-1210.	4.6	23
3	Contact electrification through interfacial charge transfer: a mechanistic viewpoint on solid <sup>+</sup> liquid interfaces. Nanoscale Advances, 2022, 4, 884-893.	2.2	4
4	Aurora Borealis in dentistry: The applications of cold plasma in biomedicine. Materials Today Bio, 2022, 13, 100200.	2.6	29
5	Crystallinity modulation originates ferroelectricity like nature in piezoelectric selenium. Nano Energy, 2022, 95, 107008.	8.2	4
6	Two-Dimensional Bismuthene Nanosheets for Selective Detection of Toxic Gases. ACS Applied Nano Materials, 2022, 5, 2984-2993.	2.4	29
7	Nanocarrier cancer therapeutics with functional stimuli-responsive mechanisms. Journal of Nanobiotechnology, 2022, 20, 152.	4.2	49
8	Dynamical modeling of miR-34a, miR-449a, and miR-16 reveals numerous DDR signaling pathways regulating senescence, autophagy, and apoptosis in HeLa cells. Scientific Reports, 2022, 12, 4911.	1.6	15
9	Gene Therapy for Neuropsychiatric Disorders: Potential Targets and Tools. CNS and Neurological Disorders - Drug Targets, 2022, 21, .	0.8	2
10	Integrated bioinformatics <sup>+</sup> cheminformatics approach toward locating pseudo <sup>+</sup> potential antiviral marine alkaloids against SARS <sup>+</sup> CoV <sup>+</sup> 2 <sup>+</sup> CMpro <sup>+</sup> . Proteins: Structure, Function and Bioinformatics, 2022, 90, 1617-1633.	1.5	18
11	Analysis of molecular ligand functionalization process in nano-molecular electronic devices containing densely packed nano-particle functionalization shells. Nanotechnology, 2022, 33, 255706.	1.3	2
12	Plasmodium falciparum HSP40 protein eCijp traffics to the erythrocyte cytoskeleton and interacts with the human HSP70 chaperone HSPA1. FEBS Letters, 2022, 596, 95-111.	1.3	7
13	Antibodies Against Phosphorylcholine Among 60-Year-Olds: Clinical Role and Simulated Interactions. Frontiers in Cardiovascular Medicine, 2022, 9, 809007.	1.1	6
14	Phage delivered CRISPR-Cas system to combat multidrug-resistant pathogens in gut microbiome. Biomedicine and Pharmacotherapy, 2022, 151, 113122.	2.5	23
15	Theragnostic application of nanoparticle and CRISPR against food-borne multi-drug resistant pathogens. Materials Today Bio, 2022, 15, 100291.	2.6	11
16	In vivo intrinsic atomic interaction infer molecular eco-toxicity of industrial TiO <sub>2</sub> nanoparticles via oxidative stress channelized steatosis and apoptosis in Paramecium caudatum. Ecotoxicology and Environmental Safety, 2022, 241, 113708.	2.9	13
17	Hydroxylated $\hat{2}$ - and $\hat{1}$ -Hexacholorocyclohexane metabolites infer influential intrinsic atomic pathways interaction to elicit oxidative stress-induced apoptosis for bio-toxicity. Environmental Research, 2022, 212, 113496.	3.7	5
18	Introduction: Background of Computational and Experimental Investigations for Next-Generation Efficient Battery Materials. , 2021, , 1-34.		0

#	ARTICLE	IF	CITATIONS
19	Data-Driven Machine Learning Approaches for Advanced Battery Modeling. , 2021, , 1-18.		0
20	Determining factors for the nano-biocompatibility of cobalt oxide nanoparticles: proximal discrepancy in intrinsic atomic interactions at differential vicinage. Green Chemistry, 2021, 23, 3439-3458.	4.6	38
21	Magnetic nanoparticles: fabrication, characterization, properties, and application for environment sustainability. , 2021, , 33-64.		2
22	Intrinsic atomic interaction at molecular proximal vicinity infer cellular biocompatibility of antibacterial nanopepper. Nanomedicine, 2021, 16, 307-322.	1.7	9
23	Cellular Investigations on Mechanistic Biocompatibility of Green Synthesized Calcium Oxide Nanoparticles with Danio rerio. Journal of Nanotheranostics, 2021, 2, 51-62.	1.7	19
24	Zebrafish (Danio rerio) as an ecotoxicological model for Nanomaterial induced toxicity profiling. Precision Nanomedicine, 2021, 4, .	0.4	23
25	A unique view of SARS-CoV-2 through the lens of ORF8 protein. Computers in Biology and Medicine, 2021, 133, 104380.	3.9	48
26	One dimensional Au-ZnO hybrid nanostructures based CO2 detection: Growth mechanism and role of the seed layer on sensing performance. Sensors and Actuators B: Chemical, 2021, 337, 129765.	4.0	68
27	Degradation of Alzheimer's Amyloid- $\beta^2$ by a Catalytically Inactive Insulin-Degrading Enzyme. Journal of Molecular Biology, 2021, 433, 166993.	2.0	27
28	Effects of Atorvastatin on T-Cell Activation and Apoptosis in Systemic Lupus Erythematosus and Novel Simulated Interactions With C-reactive Protein and Interleukin 6. ACR Open Rheumatology, 2021, 3, 642-653.	0.9	5
29	COVID-19 Vaccines and Thrombosisâ€”Roadblock or Dead-End Street?. Biomolecules, 2021, 11, 1020.	1.8	28
30	The viral capsid as novel nanomaterials for drug delivery. Future Science OA, 2021, 7, FSO744.	0.9	14
31	Overview of key molecular and pharmacological targets for diabetes and associated diseases. Life Sciences, 2021, 278, 119632.	2.0	6
32	Bio-acceptable 0D and 1D ZnO nanostructures for cancer diagnostics and treatment. Materials Today, 2021, 50, 533-569.	8.3	95
33	Nanoparticleâ€”biological interactions: the renaissance of bionomics in the myriad nanomedical technologies. Nanomedicine, 2021, 16, 2249-2254.	1.7	13
34	Autoimmunity roots of the thrombotic events after COVID-19 vaccination. Autoimmunity Reviews, 2021, 20, 102941.	2.5	39
35	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. Autoimmunity Reviews, 2021, 20, 102909.	2.5	7
36	Targeting LIN28: a new hope in prostate cancer theranostics. Future Oncology, 2021, 17, 3873-3880.	1.1	6

#	ARTICLE	IF	CITATIONS
37	Molecular toxicity of Benzo(a)pyrene mediated by elicited oxidative stress infer skeletal deformities and apoptosis in embryonic zebrafish. <i>Science of the Total Environment</i> , 2021, 789, 147989.	3.9	28
38	Organic Batteries: the Route Toward Sustainable Electrical Energy Storage Technologies. , 2021, , 1-22.		2
39	Future Outlook and Direction of Next-Generation Battery Materials. , 2021, , 1-22.		0
40	Computational and Experimental Techniques to Envisage Battery Materials. , 2021, , 1-22.		0
41	Clinical evolution, genetic landscape and trajectories of clonal hematopoiesis in SAMD9/SAMD9L syndromes. <i>Nature Medicine</i> , 2021, 27, 1806-1817.	15.2	79
42	Green Synthesized Metal Oxide Nanomaterials Photocatalysis in Combating Bacterial Infection. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 73-86.	0.3	4
43	Progress in supercapacitors: roles of two dimensional nanotubular materials. <i>Nanoscale Advances</i> , 2020, 2, 70-108.	2.2	164
44	Green synthesized MgO nanoparticles infer biocompatibility by reducing in vivo molecular nanotoxicity in embryonic zebrafish through arginine interaction elicited apoptosis. <i>Science of the Total Environment</i> , 2020, 713, 136521.	3.9	63
45	Rational Design of 2D h-BAs Monolayer as Advanced Sulfur Host for High Energy Density Liâ€“S Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 7306-7317.	2.5	23
46	Coreâ€“shell nanostructures: perspectives towards drug delivery applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8992-9027.	2.9	127
47	Molecular intrinsic proximal interaction infer oxidative stress and apoptosis modulated inÂvivo biocompatibility of P.niruri contrived antibacterial iron oxide nanoparticles with zebrafish. <i>Environmental Pollution</i> , 2020, 267, 115482.	3.7	41
48	Molecules versus Nanoparticles: Identifying a Reactive Molecular Intermediate in the Synthesis of Ternary Coinage Metal Chalcogenides. <i>Inorganic Chemistry</i> , 2020, 59, 7727-7738.	1.9	10
49	2D g-C3N4 monolayer for amino acids sequencing. <i>Applied Surface Science</i> , 2020, 528, 146609.	3.1	11
50	Hydrogen storage characteristics of Li and Na decorated 2D boron phosphide. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4538-4546.	2.5	49
51	Structure-based drug designing and immunoinformatics approach for SARS-CoV-2. <i>Science Advances</i> , 2020, 6, eabb8097.	4.7	138
52	Strain-Engineered Metal-Free h-B<sub>2</sub>O Monolayer as a Mechanocatalyst for Photocatalysis and Improved Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7884-7892.	1.5	27
53	Electronic and optical properties of a structural defect in 2D MgF2 monolayer. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	4
54	Van der Waals induced molecular recognition of canonical DNA nucleobases on a 2D GaS monolayer. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6706-6715.	1.3	5

#	ARTICLE	IF	CITATIONS
55	Selective in vivo molecular and cellular biocompatibility of black peppercorns by piperine-protein intrinsic atomic interaction with elicited oxidative stress and apoptosis in zebrafish eleuthero embryos. <i>Ecotoxicology and Environmental Safety</i> , 2020, 192, 110321.	2.9	20
56	Necklace-like Nitrogen-Doped Tubular Carbon 3D Frameworks for Electrochemical Energy Storage. <i>Advanced Functional Materials</i> , 2020, 30, 1909725.	7.8	89
57	Impact of edge structures on interfacial interactions and efficient visible-light photocatalytic activity of metal-semiconductor hybrid 2D materials. <i>Catalysis Science and Technology</i> , 2020, 10, 3279-3289.	2.1	37
58	Carbon-phosphide monolayer with high carrier mobility and perceptible response for superior gas sensing. <i>New Journal of Chemistry</i> , 2020, 44, 3777-3785.	1.4	23
59	Landscape of ROD9 Island: Functional annotations and biological network of hypothetical proteins in <i>Salmonella enterica</i> . <i>Computational Biology and Chemistry</i> , 2019, 83, 107110.	1.1	1
60	Facile synthesized novel hybrid graphene oxide/cobalt ferrite magnetic nanoparticles based surface coating material inhibit bacterial secretion pathway for antibacterial effect. <i>Materials Science and Engineering C</i> , 2019, 104, 109932.	3.8	52
61	Investigation of the Factors That Dictate the Preferred Orientation of Lexitropsins in the Minor Groove of DNA. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 10423-10440.	2.9	7
62	Azacitidine is effective for targeting leukemia-initiating cells in juvenile myelomonocytic leukemia. <i>Leukemia</i> , 2019, 33, 1805-1810.	3.3	9
63	Biological Effects of Green-Synthesized Metal Nanoparticles: A Mechanistic View of Antibacterial Activity and Cytotoxicity. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 145-171.	0.3	20
64	Intrinsic molecular insights to enhancement of biogas production from kitchen refuse using alkaline-microwave pretreatment. <i>Scientific Reports</i> , 2019, 9, 5968.	1.6	11
65	Altered electrical properties with controlled copper doping in ZnO nanoparticles infers their cytotoxicity in macrophages by ROS induction and apoptosis. <i>Chemico-Biological Interactions</i> , 2019, 297, 141-154.	1.7	38
66	Molecular aspect of phytofabrication of gold nanoparticle from <i>Andrographis peniculata</i> photosystem II and their in vivo biological effect on embryonic zebrafish ( <i>Danio rerio</i> ). <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019, 11, 100201.	1.7	15
67	Mechanistic Insight into Size-Dependent Enhanced Cytotoxicity of Industrial Antibacterial Titanium Oxide Nanoparticles on Colon Cells Because of Reactive Oxygen Species Quenching and Neutral Lipid Alteration. <i>ACS Omega</i> , 2018, 3, 1244-1262.	1.6	46
68	Mechanistic insight into ROS and neutral lipid alteration induced toxicity in the human model with fins ( <i>Danio rerio</i> ) by industrially synthesized titanium dioxide nanoparticles. <i>Toxicology Research</i> , 2018, 7, 244-257.	0.9	47
69	Molecular aspect of silver nanoparticles regulated embryonic development in Zebrafish ( <i>Danio rerio</i> ) by Oct-4 expression. <i>Chemosphere</i> , 2018, 206, 560-567.	4.2	26
70	Structural discordance in HIV-1 Vpu from brain isolate alarms amyloid fibril forming behavior- a computational perspective. <i>Journal of Theoretical Biology</i> , 2018, 451, 35-45.	0.8	5
71	Binding Patterns Associated A $\beta$ -HSP60 p458 Conjugate to HLA-DR-DRB Allele of Human in Alzheimer's Disease: An In Silico Approach. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2018, 10, 93-104.	2.2	5
72	Rapid Novel Facile Biosynthesized Silver Nanoparticles From Bacterial Release Induce Biogenicity and Concentration Dependent In Vivo Cytotoxicity With Embryonic Zebrafish- A Mechanistic Insight. <i>Toxicological Sciences</i> , 2018, 161, 125-138.	1.4	50

#	ARTICLE	IF	CITATIONS
73	Molecular aspects of core-shell intrinsic defect induced enhanced antibacterial activity of ZnO nanocrystals. <i>Nanomedicine</i> , 2018, 13, 43-68.	1.7	82
74	Mutation Based Structural Modelling and Dynamics Study of Alpha Fetoprotein: An Insight to Inhibitory Mechanism in Breast Cancer. <i>Journal of Proteomics and Bioinformatics</i> , 2018, 11, .	0.4	1
75	Molecular insight to influential role of Hhaâ€‘TomB toxinâ€‘antitoxin system for antibacterial activity of biogenic silver nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 572-584.	1.9	30
76	Molecular investigation to RNA and protein based interaction induced<i>in vivo</i> biocompatibility of phytofabricated AuNP with embryonic zebrafish. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 671-684.	1.9	34
77	Molecular insight to <i>in vitro</i> biocompatibility of phytofabricated copper oxide nanoparticles with human embryonic kidney cells. <i>Nanomedicine</i> , 2018, 13, 2415-2433.	1.7	38
78	In Vivo Molecular Toxicity Profile of Dental Bioceramics in Embryonic Zebrafish (<i>Danio rerio</i>). <i>Chemical Research in Toxicology</i> , 2018, 31, 914-923.	1.7	24
79	Identification of a new alanine racemase in Salmonella Enteritidis and its contribution to pathogenesis. <i>Gut Pathogens</i> , 2018, 10, 30.	1.6	12
80	Molecular insights to alkaline based bio-fabrication of silver nanoparticles for inverse cytotoxicity and enhanced antibacterial activity. <i>Materials Science and Engineering C</i> , 2018, 92, 807-818.	3.8	50
81	Molecular insight to size and dose-dependent cellular toxicity exhibited by a green synthesized bioceramic nanohybrid with macrophages for dental applications. <i>Toxicology Research</i> , 2018, 7, 959-969.	0.9	15
82	Monosomy 7 As the Initial Hit Followed By Sequential Acquisition of SETBP1 and ASXL1 Driver Mutations in Childhood Myelodysplastic Syndromes. <i>Blood</i> , 2018, 132, 105-105.	0.6	2
83	5-Azacytidine Is Effective for Targeting Leukemia-Initiating Cells in Juvenile Myelomonocytic Leukemia. <i>Blood</i> , 2018, 132, 4342-4342.	0.6	0
84	SAMD9 and SAMD9L Germline Disorders in Patients Enrolled in Studies of the European Working Group of MDS in Childhood (EWOG-MDS): Prevalence, Outcome, Phenotype and Functional Characterisation. <i>Blood</i> , 2018, 132, 643-643.	0.6	6
85	Altered physiochemical properties in industrially synthesized ZnO nanoparticles regulate oxidative stress; induce <i>in vivo</i> cytotoxicity in embryonic zebrafish by apoptosis. <i>Scientific Reports</i> , 2017, 7, 13909.	1.6	71
86	Mechanistic insight into the rapid one-step facile biofabrication of antibacterial silver nanoparticles from bacterial release and their biogenicity and concentration-dependent <i>in vitro</i> cytotoxicity to colon cells. <i>RSC Advances</i> , 2017, 7, 40034-40045.	1.7	62
87	Mechanistic insight to ROS and Apoptosis regulated cytotoxicity inferred by Green synthesized CuO nanoparticles from <i>Calotropis gigantea</i> to Embryonic Zebrafish. <i>Scientific Reports</i> , 2017, 7, 16284.	1.6	99
88	Genetics of PCOS: A systematic bioinformatics approach to unveil the proteins responsible for PCOS. <i>Genomics Data</i> , 2016, 8, 52-60.	1.3	41
89	Mutation-based structural modification and dynamics study of amyloid beta peptide (1â€‘42): An <i>in-silico</i> -based analysis to cognize the mechanism of aggregation. <i>Genomics Data</i> , 2016, 7, 189-194.	1.3	13
90	Ebola virus: bioterrorism for humans. <i>Asian Pacific Journal of Tropical Disease</i> , 2015, 5, S1-S6.	0.5	2

#	ARTICLE	IF	CITATIONS
91	Investigation of Nd <sup>3+</sup> incorporation in Ce- $\beta$ -rhabdophane: Insight from structural flexibility and occupation mechanism. Journal of the American Ceramic Society, 0, , .	1.9	4