

Partha Roy

List of Publications by Year in descending order

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142
papers

2,887
citations

172207

29
h-index

276539

41
g-index

142
all docs

142
docs citations

142
times ranked

4141
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical, corrosion and biocompatibility behaviour of Mg-3Zn-HA biodegradable composites for orthopaedic fixture accessories. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 78, 442-454.	1.5	100
2	Aligned carbon nanotube reinforced polymeric scaffolds with electrical cues for neural tissue regeneration. <i>Carbon</i> , 2015, 95, 715-724.	5.4	86
3	Cytoprotective effect of kaempferol against palmitic acid-induced pancreatic β -cell death through modulation of autophagy via AMPK/mTOR signaling pathway. <i>Molecular and Cellular Endocrinology</i> , 2017, 448, 1-20.	1.6	78
4	A novel gellan/PVA nanofibrous scaffold for skin tissue regeneration: Fabrication and characterization. <i>Carbohydrate Polymers</i> , 2016, 136, 851-859.	5.1	68
5	Synthesis and characterization of gelatin-PVP polymer composite scaffold for potential application in bone tissue engineering. <i>European Polymer Journal</i> , 2019, 119, 155-168.	2.6	68
6	Kaempferol alleviates palmitic acid-induced lipid stores, endoplasmic reticulum stress and pancreatic β -cell dysfunction through AMPK/mTOR-mediated lipophagy. <i>Journal of Nutritional Biochemistry</i> , 2018, 57, 212-227.	1.9	65
7	Antifungal and Anti-Biofilm Activity of Essential Oil Active Components against <i>Cryptococcus neoformans</i> and <i>Cryptococcus laurentii</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 2161.	1.5	57
8	Silver nanoparticle induced cytotoxicity, oxidative stress, and DNA damage in CHO cells. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	54
9	Repurposing therapeutics for COVID-19: Rapid prediction of commercially available drugs through machine learning and docking. <i>PLoS ONE</i> , 2020, 15, e0241543.	1.1	52
10	Isolation and Characterization of Novel Lignolytic, Cellulolytic, and Hemicellulolytic Bacteria from Wood-Feeding Termite <i>Cryptotermes brevis</i> . <i>International Microbiology</i> , 2019, 22, 29-39.	1.1	50
11	Differential neural cell adhesion and neurite outgrowth on carbon nanotube and graphene reinforced polymeric scaffolds. <i>Materials Science and Engineering C</i> , 2019, 97, 539-551.	3.8	50
12	Reduced graphene oxide and PEG-grafted TEMPO-oxidized cellulose nanocrystal reinforced poly-lactic acid nanocomposite film for biomedical application. <i>Materials Science and Engineering C</i> , 2019, 104, 109956.	3.8	47
13	Biodegradation of wheat straw by <i>Ochrobactrum oryzae</i> BMP03 and <i>Bacillus</i> sp. BMP01 bacteria to enhance biofuel production by increasing total reducing sugars yield. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30585-30596.	2.7	46
14	Bioengineered smart trilayer skin tissue substitute for efficient deep wound healing. <i>Materials Science and Engineering C</i> , 2019, 105, 110140.	3.8	46
15	A comparative analysis of various flavonoids in the regulation of obesity and diabetes: An in vitro and in vivo study. <i>Journal of Functional Foods</i> , 2019, 59, 194-205.	1.6	45
16	Application of Stem Cell Therapy for Infertility. <i>Cells</i> , 2021, 10, 1613.	1.8	43
17	Assessment of estrogenic potential of diethyl phthalate in female reproductive system involving both genomic and non-genomic actions. <i>Reproductive Toxicology</i> , 2014, 49, 12-26.	1.3	40
18	Alkali pretreatment of wheat straw followed by microbial hydrolysis for bioethanol production. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1203-1211.	1.2	40

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19	Metabolite profiling and wound-healing activity of Boerhavia diffusa leaf extracts using inÂvitro and inÂvivo models. Journal of Traditional and Complementary Medicine, 2020, 10, 52-59.	1.5	39
20	Global footprints of organochlorine pesticides: a pan-global survey. Environmental Geochemistry and Health, 2022, 44, 149-177.	1.8	39
21	Disruption of thyroid hormone functions by low dose exposure of tributyltin: An in vitro and in vivo approach. General and Comparative Endocrinology, 2014, 206, 155-165.	0.8	37
22	An Assessment on Impact of COVID-19 Infection in a Gender Specific Manner. Stem Cell Reviews and Reports, 2021, 17, 94-112.	1.7	37
23	Emergence of fluorescence in boron nitride nanoflakes and its application in bioimaging. RSC Advances, 2016, 6, 48025-48032.	1.7	36
24	Targeted bioimaging and sensing of folate receptor-positive cancer cells using folic acid-conjugated sulfur-doped graphene quantum dots. Mikrochimica Acta, 2020, 187, 458.	2.5	36
25	Role of isothiocyanate conjugate of pterostilbene on the inhibition of MCF-7 cell proliferation and tumor growth in Ehrlich ascitic cell induced tumor bearing mice. Experimental Cell Research, 2014, 320, 311-328.	1.2	35
26	Drug functionalized microbial polysaccharide based nanofibers as transdermal substitute. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1375-1385.	1.7	35
27	Solâ€“Gel Derived Hydroxyapatite Coating on Mg-3Zn Alloy for Orthopedic Application. Jom, 2015, 67, 702-712.	0.9	34
28	Mode of action of tin-based anti-proliferative agents: Biological studies of organotin(IV) derivatives of fatty acids. Journal of Photochemistry and Photobiology B: Biology, 2015, 148, 88-100.	1.7	33
29	Antioxidant and cytotoxic activity of bioactive phenolic metabolites isolated from the yeast-extract treated cell culture of apple. Plant Cell, Tissue and Organ Culture, 2017, 130, 641-649.	1.2	33
30	Biodelignification and hydrolysis of rice straw by novel bacteria isolated from wood feeding termite. 3 Biotech, 2018, 8, 447.	1.1	32
31	Silk fibroin protein modified acellular dermal matrix for tissue repairing and regeneration. Materials Science and Engineering C, 2019, 97, 313-324.	3.8	32
32	Highly sensitive and selective detection of dopamine with boron and sulfur co-doped graphene quantum dots. Scientific Reports, 2022, 12, .	1.6	32
33	Ferulic acid amide derivatives as anticancer and antioxidant agents: synthesis, thermal, biological and computational studies. Medicinal Chemistry Research, 2016, 25, 1175-1192.	1.1	30
34	3-D macro/microporous-nanofibrous bacterial cellulose scaffolds seeded with BMP-2 preconditioned mesenchymal stem cells exhibit remarkable potential for bone tissue engineering. International Journal of Biological Macromolecules, 2021, 167, 934-946.	3.6	30
35	Pterostilbene-Isothiocyanate Conjugate Suppresses Growth of Prostate Cancer Cells Irrespective of Androgen Receptor Status. PLoS ONE, 2014, 9, e93335.	1.1	30
36	Characterization of anticancer, DNase and antifungal activity of pumpkin 2S albumin. Biochemical and Biophysical Research Communications, 2014, 448, 349-354.	1.0	29

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37	Bradykinin Regulates Osteoblast Differentiation by Akt/ERK/NF κ B Signaling Axis. <i>Journal of Cellular Physiology</i> , 2014, 229, 2088-2105.	2.0	28
38	Cytotoxicity, genotoxicity and alteration of cellular antioxidant enzymes in silver nanoparticles exposed CHO cells. <i>RSC Advances</i> , 2015, 5, 34927-34935.	1.7	28
39	Coronil, a Tri-Herbal Formulation, Attenuates Spike-Protein-Mediated SARS-CoV-2 Viral Entry into Human Alveolar Epithelial Cells and Pro-Inflammatory Cytokines Production by Inhibiting Spike Protein-ACE-2 Interaction. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 869-884.	1.6	28
40	Synthesis, anti-inflammatory and anticancer activity evaluation of some mono- and bis-Schiff α ™s bases. <i>Medicinal Chemistry Research</i> , 2012, 21, 3620-3628.	1.1	26
41	Synthesis anti-inflammatory and anticancer activity evaluation of some pyrazole and oxadiazole derivatives. <i>Medicinal Chemistry Research</i> , 2012, 21, 3043-3052.	1.1	26
42	Task-specific ionic liquid catalyzed synthesis of novel naphthoquinone α urazole hybrids and evaluation of their antioxidant and in vitro anticancer activity. <i>RSC Advances</i> , 2014, 4, 34594.	1.7	26
43	Surface modification of CNT reinforced UHMWPE composite for sustained drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 52, 748-759.	1.4	26
44	Anisotropically Conductive Biodegradable Scaffold with Coaxially Aligned Carbon Nanotubes for Directional Regeneration of Peripheral Nerves. <i>ACS Applied Bio Materials</i> , 2020, 3, 5796-5812.	2.3	26
45	Development of a Novel Polygalacturonic Acid-Gelatin Blend Scaffold Fabrication and Biocompatibility Studies for Tissue-Engineering Applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012, 61, 679-698.	1.8	25
46	Osteoconductive Amine-Functionalized Graphene α Poly(methyl methacrylate) Bone Cement Composite with Controlled Exothermic Polymerization. <i>Bioconjugate Chemistry</i> , 2017, 28, 2254-2265.	1.8	25
47	Melt α blending of unmodified and modified cellulose nanocrystals with reduced graphene oxide into PLA matrix for biomedical application. <i>Polymers for Advanced Technologies</i> , 2019, 30, 3049-3060.	1.6	23
48	Anticancer Activities of Pterostilbene-Isothiocyanate Conjugate in Breast Cancer Cells: Involvement of PPAR β . <i>PLoS ONE</i> , 2014, 9, e104592.	1.1	23
49	Synthesis and anticancer activity evaluation of some acridine derivatives. <i>Medicinal Chemistry Research</i> , 2015, 24, 1942-1951.	1.1	22
50	Impact of low molecular weight phthalates in inducing reproductive malfunctions in male mice: Special emphasis on Sertoli cell functions. <i>General and Comparative Endocrinology</i> , 2015, 215, 36-50.	0.8	22
51	Sustained drug release from surface modified UHMWPE for acetabular cup lining in total hip implant. <i>Materials Science and Engineering C</i> , 2017, 77, 649-661.	3.8	22
52	Pre-clinical and cellular toxicity evaluation of 7-methylxanthine: an investigational drug for the treatment of myopia. <i>Drug and Chemical Toxicology</i> , 2021, 44, 575-584.	1.2	22
53	Cellulose nanocrystals α silver nanoparticles-reduced graphene oxide based hybrid PVA nanocomposites and its antimicrobial properties. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 445-456.	3.6	22
54	Synthesis of fluorescent MOFs: live-cell imaging and sensing of a herbicide. <i>CrystEngComm</i> , 2020, 22, 4468-4477.	1.3	22

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55	SPATIAL DISTRIBUTION AND ACCUMULATION OF CALCIUM IN DIFFERENT TISSUES, DEVELOPING SPIKES AND SEEDS OF FINGER MILLET GENOTYPES. <i>Journal of Plant Nutrition</i> , 2013, 36, 539-550.	0.9	21
56	A pterostilbene derivative suppresses osteoclastogenesis by regulating RANKL-mediated NF κ B and MAPK signaling in RAW264.7 cells. <i>Pharmacological Reports</i> , 2015, 67, 1264-1272.	1.5	21
57	Bioavailability of Iron from Wheat <i>Aegilops</i> Derivatives Selected for High Grain Iron and Protein Contents. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 7465-7473.	2.4	20
58	Understanding the mode of action of a pterostilbene derivative as anti-inflammatory agent. <i>International Immunopharmacology</i> , 2015, 28, 10-21.	1.7	20
59	Au nanoparticle-decorated aragonite microdumbbells for enhanced antibacterial and anticancer activities. <i>Materials Science and Engineering C</i> , 2019, 103, 109734.	3.8	20
60	Surface Modified Metallic Orthopedic Implant for Sustained Drug Release and Osteocompatibility. <i>ACS Applied Bio Materials</i> , 2019, 2, 4181-4192.	2.3	19
61	Ligand substituent effect on the cytotoxicity activity of two new copper(II) complexes bearing 8-hydroxyquinoline derivatives: validated by MTT assay and apoptosis in MCF-7 cancer cell line (human breast cancer). <i>RSC Advances</i> , 2021, 11, 14362-14373.	1.7	19
62	Biosynthesis of folic acid appended PHBV modified copper oxide nanorods for pH sensitive drug release in targeted breast cancer therapy. <i>International Journal of Pharmaceutics</i> , 2022, 622, 121831.	2.6	19
63	Solvent-free synthesis and anticancer activity evaluation of benzimidazole and perimidine derivatives. <i>Molecular Diversity</i> , 2018, 22, 113-127.	2.1	18
64	Berberine reverses epithelial-mesenchymal transition and modulates histone methylation in osteosarcoma cells. <i>Molecular Biology Reports</i> , 2020, 47, 8499-8511.	1.0	18
65	Promising ES IPT-based fluorescence sensor for Cu ²⁺ and CN ⁻ ions: investigation towards logic gate behaviour, anticancer activities and bioimaging application. <i>RSC Advances</i> , 2016, 6, 102096-102101.	1.7	17
66	Comparative metabolomics of scab-resistant and susceptible apple cell cultures in response to scab fungus elicitor treatment. <i>Scientific Reports</i> , 2018, 8, 17844.	1.6	17
67	Determination of bioavailable-zinc from biofortified wheat using a coupled in vitro digestion/Caco-2 reporter-gene based assay. <i>Journal of Food Composition and Analysis</i> , 2012, 25, 149-159.	1.9	16
68	Role of ERK/NF κ B in vanadium (IV) oxide mediated osteoblast differentiation in C3H10t1/2 cells. <i>Biochimie</i> , 2014, 101, 132-144.	1.3	16
69	Pterostilbene carboxaldehyde thiosemicarbazone, a resveratrol derivative inhibits 17 β -Estradiol induced cell migration and proliferation in HUVECs. <i>Steroids</i> , 2016, 108, 17-30.	0.8	16
70	Conventional and microwave-assisted synthesis of imidazole and guanidine derivatives and their biological evaluation. <i>Medicinal Chemistry Research</i> , 2011, 20, 887-897.	1.1	15
71	Synthesis, anti-inflammatory, and cytotoxicity evaluation of 9,10-dihydroanthracene-9,10- β , γ -succinimide and bis-succinimide derivatives. <i>Medicinal Chemistry Research</i> , 2013, 22, 4278-4285.	1.1	15
72	Synthesis of acridine cyclic imide hybrid molecules and their evaluation for anticancer activity. <i>Medicinal Chemistry Research</i> , 2015, 24, 3272-3282.	1.1	15

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73	Organotin(IV) complexes of NSAID, ibuprofen, X-ray structure of Ph ₃ Sn(IBF), binding and cleavage interaction with DNA and <i>in vitro</i> cytotoxic studies of several organotin complexes of drugs. Applied Organometallic Chemistry, 2020, 34, e5283.	1.7	15
74	A highly transparent tri-polymer complex in situ hydrogel of HA, collagen and four-arm-PEG as potential vitreous substitute. Biomedical Materials (Bristol), 2021, 16, 065018.	1.7	15
75	Characterization of a bacterioferritin comigratory protein family 1-Cys peroxiredoxin from <i>Candidatus Liberibacter asiaticus</i> . Protoplasma, 2017, 254, 1675-1691.	1.0	14
76	Characterization of AICAR transformylase/IMP cyclohydrolase (ATIC) from <i>Staphylococcus lugdunensis</i> . FEBS Journal, 2017, 284, 4233-4261.	2.2	13
77	Structure-cytotoxicity relationship for apoptotic inducers organotin(IV) derivatives of mandelic acid and L-proline and their mixed ligand complexes having enhanced cytotoxicity. Applied Organometallic Chemistry, 2019, 33, e4663.	1.7	13
78	Cinnamate-CoA ligase is involved in biosynthesis of benzoate-derived biphenyl phytoalexin in <i>Malus domestica</i> "Golden Delicious" cell cultures. Plant Journal, 2019, 100, 1176-1192.	2.8	13
79	TiO ₂ -doped chitosan/hydroxyapatite/halloysite nanotube membranes with enhanced mechanical properties and osteoblast-like cell response for application in bone tissue engineering. RSC Advances, 2019, 9, 39768-39779.	1.7	13
80	Characterization of recombinant pumpkin 2S albumin and mutation studies to unravel potential DNA/RNA binding site. Biochemical and Biophysical Research Communications, 2021, 580, 28-34.	1.0	13
81	Synthesis, anti-inflammatory, and anticancer activity evaluation of some heterocyclic amidine and bis-amidine derivatives. Journal of Heterocyclic Chemistry, 2011, 48, 921-926.	1.4	12
82	Wheatgrass inhibits the lipopolysaccharide-stimulated inflammatory effect in RAW 264.7 macrophages. Current Research in Toxicology, 2021, 2, 116-127.	1.3	12
83	Green Synthesis of Luminescent Gold-Zinc Oxide Nanocomposites: Cell Imaging and Visible Light-Induced Dye Degradation. Frontiers in Chemistry, 2021, 9, 639090.	1.8	12
84	Single unit functionally graded bioresorbable electrospun scaffold for scar-free full-thickness skin wound healing. , 2022, 139, 212980.		12
85	Synthesis of some heterocyclic imides and azomethine derivatives under solvent free condition and their anti-inflammatory activity evaluation. Journal of Heterocyclic Chemistry, 2009, 46, 1369-1374.	1.4	11
86	Synthesis of Fluorescent Nanoscale Salts/Metal-Organic Frameworks for Live-Cell Imaging. Crystal Growth and Design, 2018, 18, 2804-2813.	1.4	11
87	Bioesulfurization of dibenzothiophene using recombinant <i>Pseudomonas</i> strain. Journal of Chemical Technology and Biotechnology, 2008, 83, 294-298.	1.6	10
88	Efficient synthesis of piperazine-2,6-dione and 4-(1H-indole-2-carbonyl)piperazine-2,6-dione derivatives and their evaluation for anticancer activity. Medicinal Chemistry Research, 2013, 22, 4600-4609.	1.1	10
89	Synthesis of Bis-acridine Derivatives Exhibiting Anticancer and Anti-inflammatory Activity. Journal of Heterocyclic Chemistry, 2013, 50, 252-260.	1.4	10
90	Volatile components in papaya fruits are the non-invasive biomarkers to monitor the ripening stage and the nutritional value. European Food Research and Technology, 2021, 247, 907-919.	1.6	10

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91	Ovarian Cancer Stem Cells: Characterization and Role in Tumorigenesis. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1330, 151-169.	0.8	10
92	Pterostilbene-isothiocyanate inhibits breast cancer metastasis by selectively blocking IKK- β /NEMO interaction in cancer cells. <i>Biochemical Pharmacology</i> , 2021, 192, 114717.	2.0	10
93	In-Vitro and In-Silico characterization of Sophora interrupta plant extract as an anticancer activity. <i>Bioinformatics</i> , 2014, 10, 144-151.	0.2	10
94	Protein adsorption and biodegradation behaviour of Mg α 3Zn/HA for biomedical application. <i>Nanomaterials and Energy</i> , 2019, 8, 23-32.	0.1	9
95	Optimization of Organosolv pretreatment conditions and hydrolysis by <i>Bacillus</i> sp. BMP01 for effective depolymerization of wheat straw biomass. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 2747-2761.	2.9	9
96	Black pepper and piperine induce anticancer effects on leukemia cell line. <i>Toxicology Research</i> , 2021, 10, 169-182.	0.9	9
97	Black pepper prevents anemia of inflammation by inhibiting hepcidin over-expression through BMP6-SMAD1/ IL6-STAT3 signaling pathway. <i>Free Radical Biology and Medicine</i> , 2021, 168, 189-202.	1.3	9
98	Assessment of estradiol-induced gene regulation and proliferation in an immortalized mouse immature Sertoli cell line. <i>Life Sciences</i> , 2016, 148, 268-278.	2.0	8
99	Overview of follicle stimulating hormone and its receptors in reproduction and in stem cells and cancer stem cells. <i>International Journal of Biological Sciences</i> , 2022, 18, 675-692.	2.6	8
100	Synthesis of pyrimidine and condensed pyrimidine derivatives and their evaluation for anti-inflammatory activity. <i>Medicinal Chemistry Research</i> , 2012, 21, 91-99.	1.1	7
101	Efficient synthesis of heterocyclic compounds derived from 2,6-dioxopiperazine derivatives and their evaluation for anti-inflammatory and anticancer activities. <i>Medicinal Chemistry Research</i> , 2014, 23, 3953-3969.	1.1	7
102	Solvent free, catalyst free, microwave or grinding assisted synthesis of bis-cyclic imide derivatives and their evaluation for anticancer activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 501-504.	1.0	7
103	In Vitro Apoptosis Induction in a Human Prostate Cancer Cell Line by Thermotolerant Glycolipid from <i>Bacillus licheniformis</i> SV1. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 1141-1151.	1.0	7
104	Risk Assessment of Cosmetics Using Triclosan on Future Generation's Germ Cell Maturation via Lactating Mother Rats. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1143.	1.2	7
105	Synthesis and cytotoxicity of novel 14 β -(1,4-disubstituted-1,2,3-triazolyl) ester derivatives of andrographolide. <i>Natural Product Research</i> , 2021, 35, 289-297.	1.0	7
106	Physiological Relevance of Angiotensin Converting Enzyme 2 As a Metabolic Linker and Therapeutic Implication of Mesenchymal Stem Cells in COVID-19 and Hypertension. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 132-143.	1.7	7
107	Involvement of Cdk1 in the etiology of type 2 diabetes mellitus and microvascular diabetic complications: a review. <i>Journal of Diabetes and Metabolic Disorders</i> , 2022, 21, 991-1001.	0.8	7
108	Microwave-assisted synthesis of benzenesulfonylhydrazide and benzenesulfonamide cyclic imide hybrid molecules and their evaluation for anticancer activity. <i>Medicinal Chemistry Research</i> , 2015, 24, 3760-3771.	1.1	6

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109	Design, synthesis, molecular docking, and biological studies of novel phytoestrogen-tanaproget hybrids. <i>Synthetic Communications</i> , 2016, 46, 460-474.	1.1	6
110	Synthesis and cytotoxicity of novel 14 β -O-(andrographolide-3-substitutedisoxazole-5-carboxylate) derivatives. <i>Natural Product Research</i> , 2021, 35, 3738-3744.	1.0	6
111	Analysis of neural cell behaviour on anisotropic electrically conductive polymeric biodegradable scaffolds reinforced with carbon nanotubes. <i>Medical Devices & Sensors</i> , 2021, 4, e10152.	2.7	6
112	Nutraceutical regulation of miRNAs involved in neurodegenerative diseases and brain cancers. <i>Heliyon</i> , 2021, 7, e07262.	1.4	6
113	Fluorescent xylitol carbon dots: A potent antimicrobial agent and drug carrier. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 1679-1689.	1.4	6
114	<i>Brassica oleracea</i> Extracts Prevent Hyperglycemia in Type 2 Diabetes Mellitus. <i>Preventive Nutrition and Food Science</i> , 2022, 27, 50-62.	0.7	6
115	Biological Application of a Fluorescent Zinc Sensing Probe for the Analysis of Zinc Bioavailability Using Caco-2 Cells as an In-Vitro Cellular Model. <i>Journal of Fluorescence</i> , 2020, 30, 1553-1565.	1.3	5
116	Synthesis and cytotoxicity of novel (E)-2-phenylchroman-4-one-O-((1-substituted-1H-1,2,3-triazol-4-yl)methyl) oxime derivatives. <i>Synthetic Communications</i> , 2020, 50, 1883-1891.	1.1	5
117	Alpha Adducin (ADD1) Gene Polymorphism and New Onset of Diabetes Under the Influence of Selective Antihypertensive Therapy in Essential Hypertension. <i>Current Hypertension Reviews</i> , 2019, 15, 123-134.	0.5	5
118	Cardiac Cachexia: Unaddressed Aspect in Cancer Patients. <i>Cells</i> , 2022, 11, 990.	1.8	5
119	Assessment of protein adhesion behaviour and biocompatibility of magnesium/Co-substituted HA-based composites for orthopaedic application. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 707-719.	3.6	5
120	Smokeless tobacco extract impairs iron homeostasis in rats and human hepatoma, HepG2 cells. <i>Toxicological and Environmental Chemistry</i> , 2011, 93, 1028-1044.	0.6	4
121	Selective Release of Doxorubicin from Cucurbit[8]uril Stabilized Gold Supra π Pyramid Host at pH of Small Intestine. <i>Chemistry - A European Journal</i> , 2020, 26, 15150-15158.	1.7	4
122	Understanding the molecular interactions of inhibitors against Bla1 beta-lactamase towards unraveling the mechanism of antimicrobial resistance. <i>International Journal of Biological Macromolecules</i> , 2021, 177, 337-350.	3.6	4
123	Organochlorine pesticide dieldrin upregulate proximal promoter (P11) driven CYP19A1 gene expression and increases estrogen production in granulosa cells. <i>Reproductive Toxicology</i> , 2021, 106, 103-108.	1.3	4
124	A treatise on hazards of endocrine disruptors and tool to evaluate them. <i>Indian Journal of Experimental Biology</i> , 2005, 43, 975-92.	0.5	4
125	Enhanced neurogenic differentiation on anisotropically conductive carbon nanotube reinforced polycaprolactone-collagen scaffold by applying direct coupling electrical stimulation. <i>International Journal of Biological Macromolecules</i> , 2022, 218, 269-284.	3.6	4
126	Antineoplastic and antioxidant potential of phycofabricated silver nanoparticles using microalgae <i>Chlorella minutissima</i> . <i>IET Nanobiotechnology</i> , 2017, 11, 827-834.	1.9	3

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127	The Evolving Neural Tissue Engineering Landscape of India. ACS Applied Bio Materials, 2019, 2, 5446-5459.	2.3	3
128	Angiotensin Converting Enzyme Gene Insertion/Deletion Polymorphism Is Not Responsible for Antihypertensive Therapy Induced New Onset of Type 2 Diabetes in Essential Hypertension. Clinical Medicine Insights: Endocrinology and Diabetes, 2019, 12, 117955141882503.	1.0	3
129	Isolation and Characterization of the Anticancer Compound Piceatannol from Sophora Interrupta Bedd. International Journal of Preventive Medicine, 2015, 6, 101.	0.2	3
130	Variations in the SDN Loop of Class A Beta-Lactamases: A Study of the Molecular Mechanism of BlaC (Mycobacterium tuberculosis) to Alter the Stability and Catalytic Activity Towards Antibiotic Resistance of MBIs. Frontiers in Microbiology, 2021, 12, 710291.	1.5	3
131	Polymer Matrix-Based Carbon Nanocomposites for Neural Tissue Engineering. , 2022, 7, 93-114.		3
132	Multilayered porous hydroxyapatite coating on Ti6Al4V implant with enhanced drug delivery and antimicrobial properties. Journal of Drug Delivery Science and Technology, 2022, 70, 103155.	1.4	3
133	Grinding and Microwave-Assisted Synthesis of Heterocyclic Molecules in High Yields and Their Biological Evaluation. Journal of Heterocyclic Chemistry, 2016, 53, 1761-1770.	1.4	2
134	Closed polybag foliar methyl-jasmonate treatment: New technology for rapid enhancement of bioactive withanolide biosynthesis in field-grown plants of Withania somnifera. Industrial Crops and Products, 2021, 162, 113262.	2.5	2
135	Inhibitory effect of selected Indian honey on colon cancer cell growth by inducing apoptosis and targeting the β^2 -catenin/Wnt pathway. Food and Function, 0, , .	2.1	2
136	Dinuclear β^2 -Phenoxo and β^2 -Hydroxo Bridged Copper Complexes Exhibiting Oxidation of Phenols and Isoelectronic Compounds: Cytotoxicity and Evidences for Cellular Apoptosis. ChemistrySelect, 2020, 5, 463-475.	0.7	1
137	Recent Trends in Electrospinning for the Preparation of Ultrathin Plastic and Polymer Fibers for Bio-Medical Applications. , 2022, , 810-835.		1
138	Betel leaf extract and its major component hydroxychavicol promote osteogenesis and alleviate glucocorticoid-induced osteoporosis in rats. Food and Function, 2021, 12, 6603-6625.	2.1	1
139	Reverse transcription-loop mediated isothermal amplification (RT-LAMP) assay for detection of AhR receptor responsive xenobiotics. Toxicology Mechanisms and Methods, 2021, 31, 359-366.	1.3	1
140	Surface Grafted Core-Shell IPN Hydrogel Nanoparticles for Delivery of Hydrophobic Drugs. , 2018, , .		0
141	Surface grafted core-shell chitosan-modified solid lipid nanoparticles: characterization and application in hydrophobic drug delivery. , 2019, , .		0
142	Impact of coronavirus disease 2019 on diabetic patients: An endocrinological perspective for better management. , 0, 2, 85-91.		0