

Lakshmi Thangavelu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

502
citations

9
h-index

21
g-index

66
ext. papers

1,126
ext. citations

4.8
avg, IF

3.99
L-index

#	Paper	IF	Citations
60	Chitosan, chitosan nanoparticles and modified chitosan biomaterials, a potential tool to combat salinity stress in plants.. <i>Carbohydrate Polymers</i> , 2022 , 284, 119189	10.3	2
59	Improved Melting of Latent Heat Storage Using Fin Arrays with Non-Uniform Dimensions and Distinct Patterns.. <i>Nanomaterials</i> , 2022 , 12,	5.4	3
58	Kirenol: A Potential Natural Lead Molecule for a New Drug Design, Development, and Therapy for Inflammation.. <i>Molecules</i> , 2022 , 27,	4.8	1
57	Biphasic Functions of Sodium Fluoride (NaF) in Soft and in Hard Periodontal Tissues.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	2
56	Nuclear factor-kappa B (NF- κ B) inhibition as a therapeutic target for plant nutraceuticals in mitigating inflammatory lung diseases.. <i>Chemico-Biological Interactions</i> , 2022 , 354, 109842	5	5
55	Targeted therapy of tumor microenvironment by gold nanoparticles as a new therapeutic approach.. <i>Journal of Drug Targeting</i> , 2022 , 1-35	5.4	1
54	Psychometric comparison of the Persian Salzburg Emotional Eating Scale and Emotional Eater Questionnaire among Iranian adults.. <i>Journal of Eating Disorders</i> , 2022 , 10, 17	4.1	0
53	Unravelling the molecular mechanisms underlying chronic respiratory diseases for the development of novel therapeutics via in vitro experimental models.. <i>European Journal of Pharmacology</i> , 2022 , 919, 174821	5.3	1
52	A Survey on Nanotechnology-Based Bioremediation of Wastewater.. <i>Bioinorganic Chemistry and Applications</i> , 2022 , 2022, 5063177	4.2	1
51	Shining the light on clinical application of mesenchymal stem cell therapy in autoimmune diseases.. <i>Stem Cell Research and Therapy</i> , 2022 , 13, 101	8.3	0
50	A Review of High-Energy Density Lithium-Air Battery Technology: Investigating the Effect of Oxides and Nanocatalysts. <i>Journal of Chemistry</i> , 2022 , 2022, 1-32	2.3	0
49	Role of Nanoparticles in Environmental Remediation: An Insight into Heavy Metal Pollution from Dentistry.. <i>Bioinorganic Chemistry and Applications</i> , 2022 , 2022, 1946724	4.2	2
48	Nutrient pattern analysis of mineral based, simple sugar based, and fat based diets and risk of metabolic syndrome: a comparative nutrient panel.. <i>BMC Endocrine Disorders</i> , 2022 , 22, 51	3.3	1
47	Tumor immunotherapies by immune checkpoint inhibitors (ICIs); the pros and cons.. <i>Cell Communication and Signaling</i> , 2022 , 20, 44	7.5	9
46	Application of extracellular vesicles derived from mesenchymal stem cells as potential therapeutic tools in autoimmune and rheumatic diseases.. <i>International Immunopharmacology</i> , 2022 , 106, 108634	5.8	5
45	Biosynthesis and cytotoxic effect of silymarin-functionalized selenium nanoparticles induced autophagy mediated cellular apoptosis via downregulation of PI3K/Akt/mTOR pathway in gastric cancer.. <i>Phytomedicine</i> , 2022 , 99, 154014	6.5	2
44	Emotional artificial neural network (EANN)-based prediction model of maximum A-weighted noise pressure level. <i>Noise Mapping</i> , 2022 , 9, 1-9	4.8	1

43	A Comprehensive Review on the Therapeutic Potential of Linn. in Relation to its Major Active Constituent Curcumin.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 820806	5.6	7
42	Biological causes of immunogenic cancer cell death (ICD) and anti-tumor therapy; Combination of Oncolytic virus-based immunotherapy and CAR T-cell therapy for ICD induction.. <i>Cancer Cell International</i> , 2022 , 22, 168	6.4	3
41	In Silico Molecular Docking Analysis of Karanjin against Alzheimer's and Parkinson's Diseases as a Potential Natural Lead Molecule for New Drug Design, Development and Therapy.. <i>Molecules</i> , 2022 , 27,	4.8	3
40	Mesenchymal stromal cells (MSCs) and their exosome in acute liver failure (ALF): a comprehensive review.. <i>Stem Cell Research and Therapy</i> , 2022 , 13, 192	8.3	2
39	Expression of proliferation-related genes in BM-MSC-treated ALL cells in hypoxia condition is regulated under the influence of epigenetic factors in-vitro. 2022 , 39, 88		
38	Does CCL19 act as a double-edged sword in cancer development?. <i>Clinical and Experimental Immunology</i> , 2021 ,	6.2	1
37	Activation of TWEAK/Fn14 signaling suppresses TRAFs/NF- κ B pathway in the pathogenesis of cancer. <i>EXCLI Journal</i> , 2021 , 20, 232-235	2.4	2
36	Recent update on barbiturate in relation to brain disorder. <i>EXCLI Journal</i> , 2021 , 20, 1028-1032	2.4	
35	Cloning and Embryo Splitting in Mammalians: Brief History, Methods, and Achievements. <i>Stem Cells International</i> , 2021 , 2021, 2347506	5	4
34	Acacia catechu seed extract provokes cytotoxicity via apoptosis by intrinsic pathway in HepG2 cells. <i>Environmental Toxicology</i> , 2021 ,	4.2	2
33	Antimicrobial Properties of Silver Nitrate Nanoparticle and Its Application in Endodontics and Dentistry: A Review of Literature. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-12	3.2	2
32	Preparation of new bio-based chitosan/FeO/NiFeO as an efficient removal of methyl green from aqueous solution.. <i>International Journal of Biological Macromolecules</i> , 2021 , 198, 128-128	7.9	0
31	The Physiological and Pathological Role of Tissue Nonspecific Alkaline Phosphatase beyond Mineralization. <i>Biomolecules</i> , 2021 , 11,	5.9	1
30	A comprehensive review of IL-26 to pave a new way for a profound understanding of the pathobiology of cancer, inflammatory diseases and infections. <i>Immunology</i> , 2021 ,	7.8	2
29	Renaissance of armored immune effector cells, CAR-NK cells, brings the higher hope for successful cancer therapy. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 200	8.3	9
28	Calcium sensing receptor hyperactivation through viral envelop protein E of SARS CoV2: A novel target for cardio-renal damage in COVID-19 infection. <i>Drug Development Research</i> , 2021 , 82, 784-788	5.1	1
27	Effects of Primary Stored Energy on Relaxation Behavior of High Entropy Bulk Metallic Glasses Under Compressive Elastostatic Loading. <i>Transactions of the Indian Institute of Metals</i> , 2021 , 74, 1295-1307	10.7	1
26	P53 long noncoding RNA regulatory network in cancer development. <i>Cell Biology International</i> , 2021 , 45, 1583-1598	4.5	4

25	Effects of Cr Microalloying on Structural Evolution, Crystallization Behavior and Micromechanical Properties of ZrCoAlCr Bulk Metallic Glass. <i>Transactions of the Indian Institute of Metals</i> , 2021 , 74, 1721	1.2	1
24	Interleukin-25: New perspective and state-of-the-art in cancer prognosis and treatment approaches. <i>Cancer Medicine</i> , 2021 , 10, 5191-5202	4.8	4
23	CAR-engineered NK cells; a promising therapeutic option for treatment of hematological malignancies. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 374	8.3	9
22	The role of non-coding genome in the behavior of infiltrated myeloid-derived suppressor cells in tumor microenvironment; a perspective and state-of-the-art in cancer targeted therapy. <i>Progress in Biophysics and Molecular Biology</i> , 2021 , 161, 17-26	4.7	6
21	CAR T cells in solid tumors: challenges and opportunities. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 81	8.3	72
20	Targeting eosinophils in respiratory diseases: Biological axis, emerging therapeutics and treatment modalities. <i>Life Sciences</i> , 2021 , 267, 118973	6.8	6
19	Mesenchymal stem/stromal cells as a valuable source for the treatment of immune-mediated disorders. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 192	8.3	35
18	Application of micro and porous materials as nano-reactors. <i>Reviews in Inorganic Chemistry</i> , 2021 ,	2.4	3
17	Emerging cases of mucormycosis under COVID-19 pandemic in India: Misuse of antibiotics. <i>Drug Development Research</i> , 2021 , 82, 880-882	5.1	5
16	Risk factors for adverse outcomes of COVID-19 patients: Possible basis for diverse responses to the novel coronavirus SARS-CoV-2. <i>Life Sciences</i> , 2021 , 277, 119503	6.8	2
15	Compositional profile of mucosal bacteriome of smokers and smokeless tobacco users. <i>Clinical Oral Investigations</i> , 2021 , 1	4.2	4
14	Nuclear factor-kappa B and its role in inflammatory lung disease. <i>Chemico-Biological Interactions</i> , 2021 , 345, 109568	5	23
13	Advanced drug delivery approaches in managing TGF- β -mediated remodeling in lung diseases. <i>Nanomedicine</i> , 2021 , 16, 2243-2247	5.6	1
12	The Potential Roles of Dec1 and Dec2 in Periodontal Inflammation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
11	The role of HGF/MET in liver cancer. <i>Future Medicinal Chemistry</i> , 2021 , 13, 1829-1832	4.1	3
10	Cellular signalling pathways mediating the pathogenesis of chronic inflammatory respiratory diseases: an update. <i>Inflammopharmacology</i> , 2020 , 28, 795-817	5.1	35
9	Nanobiotechnology in combating CoVid-19. <i>Bioinformation</i> , 2020 , 16, 828-830	1.1	
8	Molecular docking analysis of compounds from <i>Lycopersicon esculentum</i> with the insulin receptor to combat type 2 diabetes. <i>Bioinformation</i> , 2020 , 16, 748-752	1.1	

7	Emerging trends in the novel drug delivery approaches for the treatment of lung cancer. <i>Chemico-Biological Interactions</i> , 2019 , 309, 108720	5	94
6	Oligonucleotide therapy: An emerging focus area for drug delivery in chronic inflammatory respiratory diseases. <i>Chemico-Biological Interactions</i> , 2019 , 308, 206-215	5	52
5	The potential of siRNA based drug delivery in respiratory disorders: Recent advances and progress. <i>Drug Development Research</i> , 2019 , 80, 714-730	5.1	40
4	In silico and in vitro analysis of coumarin derivative induced anticancer effects by undergoing intrinsic pathway mediated apoptosis in human stomach cancer. <i>Phytomedicine</i> , 2018 , 46, 119-130	6.5	17
3	Silver nanoparticles (Ag NPs) as catalyst in chemical reactions. <i>Synthetic Communications</i> ,1-21	1.7	1
2	Green Synthesis, Characterization and In Vivo Evaluation of White Tea Silver Nanoparticles with 5-Fluorouracil on Colorectal Cancer. <i>BioNanoScience</i> ,1	3.4	1
1	Screening and Identification of Naphthalene-Degrading Bacteria from the Coastal Regions of Makran Sea. <i>Polycyclic Aromatic Compounds</i> ,1-13	1.3	