

# Lakshmi Thangavelu

## List of Publications by Citations

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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	Emerging trends in the novel drug delivery approaches for the treatment of lung cancer. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 309, 108720	5	94
59	CAR T cells in solid tumors: challenges and opportunities. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 81	8.3	72
58	Oligonucleotide therapy: An emerging focus area for drug delivery in chronic inflammatory respiratory diseases. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 308, 206-215	5	52
57	The potential of siRNA based drug delivery in respiratory disorders: Recent advances and progress. <i>Drug Development Research</i> , <b>2019</b> , 80, 714-730	5.1	40
56	Cellular signalling pathways mediating the pathogenesis of chronic inflammatory respiratory diseases: an update. <i>Inflammopharmacology</i> , <b>2020</b> , 28, 795-817	5.1	35
55	Mesenchymal stem/stromal cells as a valuable source for the treatment of immune-mediated disorders. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 192	8.3	35
54	Nuclear factor-kappa B and its role in inflammatory lung disease. <i>Chemico-Biological Interactions</i> , <b>2021</b> , 345, 109568	5	23
53	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> , <b>2018</b> , 46, 119-130	6.5	17
52	Renaissance of armored immune effector cells, CAR-NK cells, brings the higher hope for successful cancer therapy. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 200	8.3	9
51	CAR-engineered NK cells; a promising therapeutic option for treatment of hematological malignancies. <i>Stem Cell Research and Therapy</i> , <b>2021</b> , 12, 374	8.3	9
50	Tumor immunotherapies by immune checkpoint inhibitors (ICIs); the pros and cons.. <i>Cell Communication and Signaling</i> , <b>2022</b> , 20, 44	7.5	9
49	A Comprehensive Review on the Therapeutic Potential of Linn. in Relation to its Major Active Constituent Curcumin.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 820806	5.6	7
48	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> , <b>2021</b> , 161, 17-26	4.7	6
47	Targeting eosinophils in respiratory diseases: Biological axis, emerging therapeutics and treatment modalities. <i>Life Sciences</i> , <b>2021</b> , 267, 118973	6.8	6
46	Nuclear factor-kappa B (NF- $\kappa$ B) inhibition as a therapeutic target for plant nutraceuticals in mitigating inflammatory lung diseases.. <i>Chemico-Biological Interactions</i> , <b>2022</b> , 354, 109842	5	5
45	Emerging cases of mucormycosis under COVID-19 pandemic in India: Misuse of antibiotics. <i>Drug Development Research</i> , <b>2021</b> , 82, 880-882	5.1	5
44	Application of extracellular vesicles derived from mesenchymal stem cells as potential therapeutic tools in autoimmune and rheumatic diseases.. <i>International Immunopharmacology</i> , <b>2022</b> , 106, 108634	5.8	5

43	Cloning and Embryo Splitting in Mammalians: Brief History, Methods, and Achievements. <i>Stem Cells International</i> , <b>2021</b> , 2021, 2347506	5	4
42	P53 long noncoding RNA regulatory network in cancer development. <i>Cell Biology International</i> , <b>2021</b> , 45, 1583-1598	4.5	4
41	Interleukin-25: New perspective and state-of-the-art in cancer prognosis and treatment approaches. <i>Cancer Medicine</i> , <b>2021</b> , 10, 5191-5202	4.8	4
40	Compositional profile of mucosal bacteriome of smokers and smokeless tobacco users. <i>Clinical Oral Investigations</i> , <b>2021</b> , 1	4.2	4
39	Improved Melting of Latent Heat Storage Using Fin Arrays with Non-Uniform Dimensions and Distinct Patterns.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	3
38	Application of micro and porous materials as nano-reactors. <i>Reviews in Inorganic Chemistry</i> , <b>2021</b> ,	2.4	3
37	The role of HGF/MET in liver cancer. <i>Future Medicinal Chemistry</i> , <b>2021</b> , 13, 1829-1832	4.1	3
36	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> , <b>2022</b> , 22, 168	6.4	3
35	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> , <b>2022</b> , 27,	4.8	3
34	Chitosan, chitosan nanoparticles and modified chitosan biomaterials, a potential tool to combat salinity stress in plants.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 284, 119189	10.3	2
33	Biphasic Functions of Sodium Fluoride (NaF) in Soft and in Hard Periodontal Tissues.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	2
32	Activation of TWEAK/Fn14 signaling suppresses TRAFs/NF- $\kappa$ B pathway in the pathogenesis of cancer. <i>EXCLI Journal</i> , <b>2021</b> , 20, 232-235	2.4	2
31	Acacia catechu seed extract provokes cytotoxicity via apoptosis by intrinsic pathway in HepG2 cells. <i>Environmental Toxicology</i> , <b>2021</b> ,	4.2	2
30	Antimicrobial Properties of Silver Nitrate Nanoparticle and Its Application in Endodontics and Dentistry: A Review of Literature. <i>Journal of Nanomaterials</i> , <b>2021</b> , 2021, 1-12	3.2	2
29	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> , <b>2021</b> ,	7.8	2
28	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> , <b>2021</b> , 277, 119503	6.8	2
27	The Potential Roles of Dec1 and Dec2 in Periodontal Inflammation. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
26	Role of Nanoparticles in Environmental Remediation: An Insight into Heavy Metal Pollution from Dentistry.. <i>Bioinorganic Chemistry and Applications</i> , <b>2022</b> , 2022, 1946724	4.2	2

25	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> , <b>2022</b> , 99, 154014	6.5	2
24	Mesenchymal stromal cells (MSCs) and their exosome in acute liver failure (ALF): a comprehensive review.. <i>Stem Cell Research and Therapy</i> , <b>2022</b> , 13, 192	8.3	2
23	Kirenol: A Potential Natural Lead Molecule for a New Drug Design, Development, and Therapy for Inflammation.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	1
22	Targeted therapy of tumor microenvironment by gold nanoparticles as a new therapeutic approach.. <i>Journal of Drug Targeting</i> , <b>2022</b> , 1-35	5.4	1
21	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> , <b>2022</b> , 919, 174821	5.3	1
20	Does CCL19 act as a double-edged sword in cancer development?. <i>Clinical and Experimental Immunology</i> , <b>2021</b> ,	6.2	1
19	The Physiological and Pathological Role of Tissue Nonspecific Alkaline Phosphatase beyond Mineralization. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	1
18	Silver nanoparticles (Ag NPs) as catalyst in chemical reactions. <i>Synthetic Communications</i> ,1-21	1.7	1
17	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> , <b>2021</b> , 82, 784-788	5.1	1
16	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> , <b>2021</b> , 74, 1295-1301 <sup>1,2</sup>	1.2	1
15	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> , <b>2021</b> , 74, 1721	1.2	1
14	Advanced drug delivery approaches in managing TGF- $\beta$ -mediated remodeling in lung diseases. <i>Nanomedicine</i> , <b>2021</b> , 16, 2243-2247	5.6	1
13	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
12	A Survey on Nanotechnology-Based Bioremediation of Wastewater.. <i>Bioinorganic Chemistry and Applications</i> , <b>2022</b> , 2022, 5063177	4.2	1
11	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> , <b>2022</b> , 22, 51	3.3	1
10	Emotional artificial neural network (EANN)-based prediction model of maximum A-weighted noise pressure level. <i>Noise Mapping</i> , <b>2022</b> , 9, 1-9	4.8	1
9	Psychometric comparison of the Persian Salzburg Emotional Eating Scale and Emotional Eater Questionnaire among Iranian adults.. <i>Journal of Eating Disorders</i> , <b>2022</b> , 10, 17	4.1	0
8	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> , <b>2021</b> , 198, 128-128	7.9	0

- 7 Shining the light on clinical application of mesenchymal stem cell therapy in autoimmune diseases.. *Stem Cell Research and Therapy*, **2022**, 13, 101 8.3 ○
- 6 A Review of High-Energy Density Lithium-Air Battery Technology: Investigating the Effect of Oxides and Nanocatalysts. *Journal of Chemistry*, **2022**, 2022, 1-32 2.3 ○
- 5 Nanobiotechnology in combating CoVid-19. *Bioinformation*, **2020**, 16, 828-830 1.1
- 4 Recent update on barbiturate in relation to brain disorder. *EXCLI Journal*, **2021**, 20, 1028-1032 2.4
- 3 Molecular docking analysis of compounds from *Lycopersicon esculentum* with the insulin receptor to combat type 2 diabetes. *Bioinformation*, **2020**, 16, 748-752 1.1
- 2 Screening and Identification of Naphthalene-Degrading Bacteria from the Coastal Regions of Makran Sea. *Polycyclic Aromatic Compounds*, 1-13 1.3
- 1 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