

# Durairaj Thiyagarajan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8371933/publications.pdf>

Version: 2024-02-01

16  
papers

416  
citations

759233

12  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

696  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spray-dried lactose-leucine microparticles for pulmonary delivery of antimycobacterial nanopharmaceuticals. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1766-1778.	5.8	16
2	Co-Delivery of mRNA and pDNA Using Thermally Stabilized Coacervate-Based Core-Shell Nanosystems. <i>Pharmaceutics</i> , 2021, 13, 1924.	4.5	11
3	Preferential uptake of chitosan-coated PLGA nanoparticles by primary human antigen presenting cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 21, 102073.	3.3	33
4	Hyaluronic acid - dihydroartemisinin conjugate: Synthesis, characterization and in vitro evaluation in lung cancer cells. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 495-502.	7.5	49
5	A Nonbactericidal Zinc-Complexing Ligand as a Biofilm Inhibitor: Structure-Guided Contrasting Effects on <i>Staphylococcus aureus</i> Biofilm. <i>ChemBioChem</i> , 2017, 18, 1502-1509.	2.6	3
6	Amphiphilic Cargo-Loaded Nanocarrier Enhances Antibiotic Uptake and Perturbs Efflux: Effective Synergy for Mitigation of Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>ChemMedChem</i> , 2017, 12, 1125-1132.	3.2	18
7	Extracellular-DNA-Targeting Nanomaterial for Effective Elimination of Biofilm. <i>ChemNanoMat</i> , 2016, 2, 879-887.	2.8	8
8	A sole multi-analyte receptor responds with three distinct fluorescence signals: traffic signal like sensing of Al <sup>3+</sup> , Zn <sup>2+</sup> and F <sup>-</sup> . <i>Dalton Transactions</i> , 2015, 44, 13093-13099.	3.3	57
9	A near-infrared emissive Al <sup>3+</sup> sensing platform for specific detection in solution, cells and probing DNase activity. <i>Analytica Chimica Acta</i> , 2015, 882, 76-82.	5.4	13
10	A zinc complex of a neutral pyridine-based amphiphile: a highly efficient and potentially therapeutic bactericidal material. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7068-7078.	5.8	11
11	Amphiphile-mediated enhanced antibiotic efficacy and development of a payload nanocarrier for effective killing of pathogenic bacteria. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5818.	5.8	20
12	Biocompatible Nanocarrier Fortified with a Dipyrindinium-Based Amphiphile for Eradication of Biofilm. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 16384-16394.	8.0	54
13	A prospective antibacterial for drug-resistant pathogens: a dual warhead amphiphile designed to track interactions and kill pathogenic bacteria by membrane damage and cellular DNA cleavage. <i>Chemical Communications</i> , 2014, 50, 7434.	4.1	21
14	A novel chemosensor with visible light excitability for sensing Zn <sup>2+</sup> in physiological medium and in HeLa cells. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4975-4982.	2.8	47
15	Synthesis, crystal structure and bio-macromolecular interaction studies of pyridine-based thiosemicarbazone and its Ni(ii) and Cu(ii) complexes. <i>RSC Advances</i> , 2013, 3, 14088.	3.6	37
16	Synthetic amphiphiles as therapeutic antibacterials: lessons on bactericidal efficacy and cytotoxicity and potential application as an adjuvant in antimicrobial chemotherapy. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2612.	5.8	17