

Durairaj Thiyagarajan

List of Publications by Year in descending order

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