

Deepak B Salunke

List of Publications by Year in descending order

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58
papers

1,542
citations

304368

22
h-index

329751

37
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62
all docs

62
docs citations

62
times ranked

2080
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial activities of Groebkeâ€“Blackburnâ€“BienaymÃ©-derived imidazo[1,2-a]pyridin-3-amines. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 5850-5863.	1.4	107
2	Green Nanotechnology-Driven Drug Delivery Assemblies. <i>ACS Omega</i> , 2019, 4, 8804-8815.	1.6	94
3	Steroidal Conjugates and Their Pharmacological Applications. <i>Current Medicinal Chemistry</i> , 2006, 13, 813-847.	1.2	72
4	Structureâ€“Activity Relationships in Human Toll-like Receptor 8-Active 2,3-Diamino-furo[2,3- <i>c</i>]pyridines. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 8137-8151.	2.9	71
5	New Steroidal Dimers with Antifungal and Antiproliferative Activity. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 1591-1594.	2.9	67
6	Potent Adjuvanticity of a Pure TLR7-Agonistic Imidazoquinoline Dendrimer. <i>PLoS ONE</i> , 2012, 7, e43612.	1.1	67
7	Determinants of Activity at Human Toll-like Receptors 7 and 8: Quantitative Structureâ€“Activity Relationship (QSAR) of Diverse Heterocyclic Scaffolds. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7955-7970.	2.9	61
8	Discovery of a potent and selective small molecule hGPR91 antagonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3596-3602.	1.0	60
9	Visible light driven photocatalytic degradation of fluoroquinolone levofloxacin drug using Ag ₂ O/TiO ₂ quantum dots: a mechanistic study and degradation pathway. <i>New Journal of Chemistry</i> , 2017, 41, 12079-12090.	1.4	60
10	A Facile synthesis of silver modified ZnO nanoplates for efficient removal of ofloxacin drug in aqueous phase under solar irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3621-3630.	3.3	58
11	Toll-like receptor-8 agonistic activities in C2, C4, and C8 modified thiazolo[4,5- <i>c</i>]quinolines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1179.	1.5	51
12	Mechanochemical Synthesis of a New Triptycene-Based Imine-Linked Covalent Organic Polymer for Degradation of Organic Dye. <i>Crystal Growth and Design</i> , 2019, 19, 2525-2530.	1.4	46
13	Multistep Microwave-Assisted Divergent Synthesis of Indolo-Fused Pyrazino-/Diazepinoquinoxalinones on PEG Support. <i>Organic Letters</i> , 2010, 12, 2174-2177.	2.4	40
14	Structureâ€“Activity Relationships in Human Toll-like Receptor 2-Specific Monoacyl Lipopeptides. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3353-3363.	2.9	40
15	Bile Acid Oligomers and Their Combination with Antibiotics To Combat Bacterial Infections. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10265-10275.	2.9	38
16	Design and Development of Stable, Water-Soluble, Human Toll-like Receptor 2 Specific Monoacyl Lipopeptides as Candidate Vaccine Adjuvants. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5885-5900.	2.9	35
17	Divergent Synthesis of Unsymmetrical Annulated Biheterocyclic Compound Libraries: Benzimidazole Linked Indolo-benzodiazepines/quinoxaline. <i>ACS Combinatorial Science</i> , 2011, 13, 391-398.	3.8	34
18	Î²-Carboline Derivatives Tackling Malaria: Biological Evaluation and Docking Analysis. <i>ACS Omega</i> , 2020, 5, 17993-18006.	1.6	30

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19	Synthesis of chimeric tetrapeptide-linked cholic acid derivatives: Impending synergistic agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5512-5517.	1.0	28
20	Role of toll-like receptor 7/8 pathways in regulation of interferon response and inflammatory mediators during SARS-CoV2 infection and potential therapeutic options. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111794.	2.5	28
21	Post-Pictet-Spengler Cyclization (PPSC): A Strategy to Synthesize Polycyclic β -Carboline-Derived Natural Products and Biologically Active β -Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4027-4077.	2.1	27
22	Stereoselective synthesis and antimicrobial activity of steroidal C-20 tertiary alcohols with thiazole/pyridine side chain. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 3681-3689.	2.6	26
23	TLR2 Agonistic Small Molecules: Detailed Structure-Activity Relationship, Applications, and Future Prospects. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 233-278.	2.9	26
24	Synthesis and Evaluation of Antiplasmodial Efficacy of β -Carboline Derivatives against Murine Malaria. <i>ACS Omega</i> , 2018, 3, 13200-13210.	1.6	24
25	Increase of leishmanicidal and tubercular activities using steroids linked to aminoquinoline. <i>Organic and Medicinal Chemistry Letters</i> , 2012, 2, 16.	2.0	23
26	Recent advances in steroid amino acid conjugates: Old scaffolds with new dimensions. <i>European Journal of Medicinal Chemistry</i> , 2020, 187, 111909.	2.6	22
27	Amino Functionalized Novel Cholic Acid Derivatives Induce HIV-1 Replication and Syncytia Formation in T Cells. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2652-2655.	2.9	20
28	Soluble polymer supported divergent synthesis of tetracyclic benzene-fused pyrazino/diazepino indoles: an advanced synthetic approach to bioactive scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2925.	1.5	20
29	Niosomes as efficient drug delivery modules for encapsulation of Toll-like receptor 7 agonists and IDO-inhibitor. <i>Applied Surface Science</i> , 2020, 505, 144078.	3.1	20
30	Structure activity relationship in β -carboline derived anti-malarial agents. <i>European Journal of Medicinal Chemistry</i> , 2021, 221, 113536.	2.6	19
31	Design and Synthesis of New Biprivileged Molecular Scaffolds: Indolo-fused Benzodiazepinyl/quinoxalanyl benzimidazoles. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1684-1690.	1.7	17
32	Design, synthesis and bio-evaluation of C-1 alkylated tetrahydro- β -carboline derivatives as novel antifungal lead compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126869.	1.0	16
33	Facially Amphiphilic Cholic Acid-Lysine Conjugates as Promising Antimicrobials. <i>ACS Omega</i> , 2020, 5, 3952-3963.	1.6	16
34	Synthesis and antimicrobial activity of novel oxysterols from lanosterol. <i>Tetrahedron</i> , 2013, 69, 11155-11163.	1.0	15
35	Structural evolution of toll-like receptor 7/8 agonists from imidazoquinolines to imidazoles. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1065-1120.	1.7	15
36	An efficient method for the synthesis of methyl 11 α -amino-3 β ,7 β -diacetoxy-12-oxo-5 β -cholan-24-oate. <i>Tetrahedron</i> , 2005, 61, 3605-3612.	1.0	13

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37	Efficacy of TLR7 agonistic imidazoquinoline as immunochemotherapeutic agent against P. Berghei ANKA infected rodent host. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1099-1105.	1.0	13
38	RuCl ₃ -TBHP mediated allylic oxidation of 1 ⁸ (9) lanosterol derivatives. Tetrahedron Letters, 2011, 52, 6007-6010.	0.7	11
39	Synthetic Toll-like receptor agonists for the development of powerful malaria vaccines: a patent review. Expert Opinion on Therapeutic Patents, 2018, 28, 837-847.	2.4	11
40	BBIQ, a pure TLR7 agonist, is an effective influenza vaccine adjuvant. Human Vaccines and Immunotherapeutics, 2020, 16, 1989-1996.	1.4	10
41	Facile synthesis of C6-substituted benz[4,5]imidazo[1,2-a]quinoxaline derivatives and their anticancer evaluation. Archiv Der Pharmazie, 2021, 354, e2000393.	2.1	10
42	An efficient and scalable synthesis of potent TLR2 agonistic PAM ₂ CSK ₄ . RSC Advances, 2018, 8, 9587-9596.	1.7	9
43	Regioselective Synthesis of Angular Isocoumarinselenazoles: A Benzoselenazole-directed, Site-specific, Ruthenium-catalyzed C(sp ²)-H Activation. Advanced Synthesis and Catalysis, 2018, 360, 942-950.	2.1	8
44	Combined delivery of TLR2 and TLR7 agonists by Nanostructured lipid carriers induces potent vaccine adjuvant activity in mice. International Journal of Pharmaceutics, 2022, 613, 121378.	2.6	6
45	Proficiency of nanostructured lipid carriers for the formulation of amphiphilic bile acid oligomers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125841.	2.3	5
46	Toll-like receptor-7/8 agonist kill <i>Leishmania amazonensis</i> by acting as pro-oxidant and pro-inflammatory agent. Journal of Pharmacy and Pharmacology, 2021, 73, 1180-1190.	1.2	5
47	Microwave-assisted Groebke-Blackburn-Bienaym [®] multicomponent reaction to synthesize imidazo fused heterocycles via in situ generated isocyanides from <i>N</i> -formylamines: An undergraduate organic laboratory experiment. Journal of Heterocyclic Chemistry, 2022, 59, 319-328.	1.4	5
48	Groebke-Blackburn-Bienaym [®] multicomponent reaction coupled with unconventional Pictet-Spengler cyclization for the synthesis of imidazo[4,5-b]pyridine fused polycyclic heterocycles. Journal of Heterocyclic Chemistry, 2022, 59, 1007-1015.	1.4	5
49	Synthesis of quinoline based molecular probes for detection of nitric oxide. Dyes and Pigments, 2022, 201, 110226.	2.0	5
50	Molecular association via halogen bonding and other weak interactions in the crystal structures of 11-bromo-12-oxo-5 ¹² -cholan derivatives. Journal of Molecular Structure, 2008, 892, 246-253.	1.8	4
51	Pd-catalyzed one-pot chemoselective hydrogenation protocol for the preparation of carboxamides directly from azides. Tetrahedron Letters, 2010, 51, 3815-3819.	0.7	4
52	Exploring the antiplasmodial efficacy of erucic acid and its derivative isolated from <i>Thlaspi arvense</i> D. C. (Brassicaceae). South African Journal of Botany, 2021, 139, 158-166.	1.2	4
53	Polymeric Nanoparticles as a Promising Drug Delivery Platform for the Efficacious Delivery of Toll-Like Receptor 7/8 Agonists and IDO-Inhibitor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 632, 127764.	2.3	4
54	Development of nanostructured lipid carriers as a promising tool for methotrexate delivery: physicochemical and <i>in vitro</i> evaluation. Journal of Biomolecular Structure and Dynamics, 2023, 41, 2747-2758.	2.0	4

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55	Stereoisomeric Pam ₂ CS based TLR2 agonists: synthesis, structural modelling and activity as vaccine adjuvants. RSC Medicinal Chemistry, 2022, 13, 622-637.	1.7	4
56	Yb(OTf) ₃ -Catalyzed and Di- <i>tert</i> -butyl Dicarboxylate-Mediated Decarboxylative Etherification and Esterification Reactions. ACS Omega, 2020, 5, 21007-21014.	1.6	3
57	TLR2 agonistic lipopeptide enriched PLGA nanoparticles as combinatorial drug delivery vehicle. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 647, 129084.	2.3	3
58	Preparation of Î±-Tocopherol based nanoemulsion for efficacious delivery of Methotrexate. Journal of Dispersion Science and Technology, 2023, 44, 1490-1499.	1.3	1