

Mathai Mammen

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.

28

papers

6,762

citations

22

h-index

30

g-index

30

ext. papers

7,090

ext. citations

8.5

avg, IF

5.39

L-index

#	Paper	IF	Citations
28	Discovery of muscarinic acetylcholine receptor antagonist and beta 2 adrenoceptor agonist (MABA) dual pharmacology molecules. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 1354-8	2.9	29
27	THR-198321 is a bifunctional muscarinic receptor antagonist and beta2-adrenoceptor agonist (MABA) that binds in a bimodal and multivalent manner. <i>Molecular Pharmacology</i> , 2011 , 79, 389-99	4.3	35
26	Specificity of induction of the vanA and vanB operons in vancomycin-resistant enterococci by telavancin. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 2814-8	5.9	26
25	Dual-pharmacology bronchodilators for the treatment of COPD. <i>Progress in Respiratory Research</i> , 2010 , 39-45		6
24	Telavancin disrupts the functional integrity of the bacterial membrane through targeted interaction with the cell wall precursor lipid II. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 3375-83	5.9	132
23	A novel multivalent ligand that bridges the allosteric and orthosteric binding sites of the M2 muscarinic receptor. <i>Molecular Pharmacology</i> , 2007 , 72, 291-302	4.3	77
22	Antimuscarinics for the treatment of overactive bladder: current options and emerging therapies. <i>Current Opinion in Investigational Drugs</i> , 2004 , 5, 40-9		19
21	Polyvalente Wechselwirkungen in biologischen Systemen: Auswirkungen auf das Design und die Verwendung multivalenter Liganden und Inhibitoren. <i>Angewandte Chemie</i> , 1998 , 110, 2908-2953	3.6	505
20	Polyvalent Interactions in Biological Systems: Implications for Design and Use of Multivalent Ligands and Inhibitors. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2754-2794	16.4	3250
19	Using a Convenient, Quantitative Model for Torsional Entropy To Establish Qualitative Trends for Molecular Processes That Restrict Conformational Freedom. <i>Journal of Organic Chemistry</i> , 1998 , 63, 3168-3175	4.2	112
18	Estimating the Entropic Cost of Self-Assembly of Multiparticle Hydrogen-Bonded Aggregates Based on the Cyanuric Acid-Melamine Lattice. <i>Journal of Organic Chemistry</i> , 1998 , 63, 3821-3830	4.2	320
17	Polyvalente Wechselwirkungen in biologischen Systemen: Auswirkungen auf das Design und die Verwendung multivalenter Liganden und Inhibitoren 1998 , 110, 2908		2
16	Polyvalent Interactions in Biological Systems: Implications for Design and Use of Multivalent Ligands and Inhibitors 1998 , 37, 2754		5
15	Polyvalent Interactions in Biological Systems: Implications for Design and Use of Multivalent Ligands and Inhibitors 1998 , 37, 2754		7
14	Polyvalent Interactions in Biological Systems: Implications for Design and Use of Multivalent Ligands and Inhibitors 1998 , 37, 2754		73
13	Treating Electrostatic Shielding at the Surface of Silica as Discrete Siloxide-Cation Interactions. <i>Journal of the American Chemical Society</i> , 1997 , 119, 3469-3476	16.4	22
12	Representing primary electrophoretic data in the 1/time domain: comparison to representations in the time domain. <i>Analytical Chemistry</i> , 1997 , 69, 2165-70	7.8	43

11	Generation and in Situ Evaluation of Libraries of Poly(acrylic acid) Presenting Sialosides as Side Chains as Polyvalent Inhibitors of Influenza-Mediated Hemagglutination. <i>Journal of the American Chemical Society</i> , 1997 , 119, 4103-4111	16.4	186
10	Polyacrylamides Bearing Pendant Sialoside Groups Strongly Inhibit Agglutination of Erythrocytes by Influenza Virus: The Strong Inhibition Reflects Enhanced Binding through Cooperative Polyvalent Interactions. <i>Journal of the American Chemical Society</i> , 1996 , 118, 3789-3800	16.4	299
9	Predicting the Relative Stabilities of Multiparticle Hydrogen-Bonded Aggregates Based on the Number of Hydrogen Bonds and the Number of Particles and Measuring These Stabilities with Titrations Using Dimethyl Sulfoxide. <i>Journal of the American Chemical Society</i> , 1996 , 118, 12614-12623	16.4	76
8	Characterization of Hydrogen-Bonded Aggregates in Chloroform by Electrospray Ionization Mass Spectrometry. <i>Journal of Organic Chemistry</i> , 1996 , 61, 2204-2206	4.2	42
7	Optically controlled collisions of biological objects to evaluate potent polyvalent inhibitors of virus-cell adhesion. <i>Chemistry and Biology</i> , 1996 , 3, 757-63		49
6	Monomeric inhibitors of influenza neuraminidase enhance the hemagglutination inhibition activities of polyacrylamides presenting multiple C-sialoside groups. <i>Chemistry and Biology</i> , 1996 , 3, 97-104		76
5	Detection of hydrogen-bonded supramolecular complexes using electrospray ionization from chloroform. <i>Rapid Communications in Mass Spectrometry</i> , 1995 , 9, 312-316	2.2	23
4	Design and synthesis of hydrogen-bonded aggregates. Theory and computation applied to three systems based on the cyanuric acid-melamine lattice. <i>Tetrahedron</i> , 1995 , 51, 607-619	2.4	35
3	Noncovalent Synthesis: Using Physical-Organic Chemistry To Make Aggregates. <i>Accounts of Chemical Research</i> , 1995 , 28, 37-44	24.3	899
2	Determination of the binding of ligands containing the N-2,4-dinitrophenyl group to bivalent monoclonal rat anti-DNP antibody using affinity capillary electrophoresis. <i>Analytical Chemistry</i> , 1995 , 67, 3526-35	7.8	79
1	Effective inhibitors of hemagglutination by influenza virus synthesized from polymers having active ester groups. Insight into mechanism of inhibition. <i>Journal of Medicinal Chemistry</i> , 1995 , 38, 4179-90	8.3	335