Mathai Mammen

List of Publications by Year in descending order

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28 papers	7,611 citations	279798 23 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	7464 citing authors

#	Article	IF	Citations
1	Discovery of muscarinic acetylcholine receptor antagonist and beta 2 adrenoceptor agonist (MABA) dual pharmacology molecules. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1354-1358.	2.2	30
2	THRX-198321 Is a Bifunctional Muscarinic Receptor Antagonist and Î²₂-Adrenoceptor Agonist (MABA) That Binds in a Bimodal and Multivalent Manner. Molecular Pharmacology, 2011, 79, 389-399.	2.3	39
3	Specificity of Induction of the vanA and vanB Operons in Vancomycin-Resistant Enterococci by Telavancin. Antimicrobial Agents and Chemotherapy, 2010, 54, 2814-2818.	3.2	33
4	Dual-pharmacology bronchodilators for the treatment of COPD. Progress in Respiratory Research, 2010, , 39-45.	0.1	7
5	Telavancin Disrupts the Functional Integrity of the Bacterial Membrane through Targeted Interaction with the Cell Wall Precursor Lipid II. Antimicrobial Agents and Chemotherapy, 2009, 53, 3375-3383.	3.2	149
6	A Novel Multivalent Ligand That Bridges the Allosteric and Orthosteric Binding Sites of the M2 Muscarinic Receptor. Molecular Pharmacology, 2007, 72, 291-302.	2.3	86
7	Antimuscarinics for the treatment of overactive bladder: current options and emerging therapies. Current Opinion in Investigational Drugs, 2004, 5, 40-9.	2.3	21
8	Polyvalent Interactions in Biological Systems: Implications for Design and Use of Multivalent Ligands and Inhibitors. Angewandte Chemie - International Edition, 1998, 37, 2754-2794.	13.8	3,628
9	Using a Convenient, Quantitative Model for Torsional Entropy To Establish Qualitative Trends for Molecular Processes That Restrict Conformational Freedom. Journal of Organic Chemistry, 1998, 63, 3168-3175.	3.2	127
10	Estimating the Entropic Cost of Self-Assembly of Multiparticle Hydrogen-Bonded Aggregates Based on the Cyanuric AcidÂ·Melamine Lattice. Journal of Organic Chemistry, 1998, 63, 3821-3830.	3.2	403
11	<title>Optically controlled collisions of biological objects</title>. , 1998, , .		0
12	Polyvalente Wechselwirkungen in biologischen Systemen: Auswirkungen auf das Design und die Verwendung multivalenter Liganden und Inhibitoren. Angewandte Chemie, 1998, 110, 2908-2953.	2.0	2
13	Polyvalent Interactions in Biological Systems: Implications for Design and Use of Multivalent Ligands and Inhibitors. , 1998, 37, 2754.		6
14	Polyvalent Interactions in Biological Systems: Implications for Design and Use of Multivalent Ligands and Inhibitors. , 1998, 37, 2754.		10
15	Polyvalent Interactions in Biological Systems: Implications for Design and Use of Multivalent Ligands and Inhibitors. Angewandte Chemie - International Edition, 1998, 37, 2754-2794.	13.8	74
16	Treating Electrostatic Shielding at the Surface of Silica as Discrete SiloxideÂ·Cation Interactions. Journal of the American Chemical Society, 1997, 119, 3469-3476.	13.7	23
17	Representing Primary Electrophoretic Data in the 1/Time Domain:Â Comparison to Representations in the Time Domain. Analytical Chemistry, 1997, 69, 2165-2170.	6.5	47
18	Generation andin SituEvaluation of Libraries of Poly(acrylic acid) Presenting Sialosides as Side Chains as Polyvalent Inhibitors of Influenza-Mediated Hemagglutination. Journal of the American Chemical Society, 1997, 119, 4103-4111.	13.7	206

#	Article	IF	Citations
19	Polyacrylamides Bearing Pendant Î±-Sialoside Groups Strongly Inhibit Agglutination of Erythrocytes by Influenza Virus:Â The Strong Inhibition Reflects Enhanced Binding through Cooperative Polyvalent Interactions. Journal of the American Chemical Society, 1996, 118, 3789-3800.	13.7	329
20	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. Journal of the American Chemical Society, 1996, 118, 12614-12623.	13.7	82
21	Characterization of Hydrogen-Bonded Aggregates in Chloroform by Electrospray Ionization Mass Spectrometry. Journal of Organic Chemistry, 1996, 61, 2204-2206.	3.2	56
22	Optically controlled collisions of biological objects to evaluate potent polyvalent inhibitors of virus-cell adhesion. Chemistry and Biology, 1996, 3, 757-763.	6.0	55
23	Monomeric inhibitors of influenza neuraminidase enhance the hemagglutination inhibition activities of polyacrylamides presenting multiple C-sialoside groups. Chemistry and Biology, 1996, 3, 97-104.	6.0	78
24	Detection of hydrogen-bonded supramolecular complexes using electrospray ionization from chloroform. Rapid Communications in Mass Spectrometry, 1995, 9, 312-316.	1.5	28
25	Design and synthesis of hydrogen-bonded aggregates. Theory and computation applied to three systems based on the cyanuric acid-melamine lattice. Tetrahedron, 1995, 51, 607-619.	1.9	46
26	Noncovalent Synthesis: Using Physical-Organic Chemistry To Make Aggregates. Accounts of Chemical Research, 1995, 28, 37-44.	15.6	1,035
27	Determination of the Binding of Ligands Containing the N-2,4-dinitrophenyl Group to Bivalent Monoclonal Rat Anti-DNP Antibody Using Affinity Capillary Electrophoresis. Analytical Chemistry, 1995, 67, 3526-3535.	6.5	85
28	Effective Inhibitors of Hemagglutination by Influenza Virus Synthesized from Polymers Having Active Ester Groups. Insight into Mechanism of Inhibition. Journal of Medicinal Chemistry, 1995, 38, 4179-4190.	6.4	364