

Kevin L Caran

List of Publications by Year in descending order

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20
papers

832
citations

759233

12
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

1070
citing authors

#	ARTICLE	IF	CITATIONS
1	Anatomy of a Gel. Amino Acid Derivatives That Rigidify Water at Submillimolar Concentrations. <i>Journal of the American Chemical Society</i> , 2000, 122, 11679-11691.	13.7	373
2	From antimicrobial activity to mechanism of resistance: the multifaceted role of simple quaternary ammonium compounds in bacterial eradication. <i>Tetrahedron</i> , 2016, 72, 3559-3566.	1.9	85
3	Gemini-Induced Columnar Jointing in Vitreous Ice. Cryo-HRSEM as a Tool for Discovering New Colloidal Morphologies. <i>Journal of the American Chemical Society</i> , 2002, 124, 1140-1141.	13.7	63
4	High-Resolution Topographic Imaging of Environmentally Responsive, Elastin-Mimetic Hydrogels. <i>Macromolecules</i> , 1999, 32, 9067-9070.	4.8	50
5	The antibacterial activity of 4,4'-bipyridinium amphiphiles with conventional, bicephalic and gemini architectures. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4055-4058.	2.2	49
6	Bicephalic amphiphile architecture affects antibacterial activity. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 4219-4226.	5.5	35
7	Topographic Imaging of Chromium-Coated Frozen-Hydrated Cell and Macromolecular Complexes by In-Lens Field Emission Scanning Electron Microscopy. <i>Microscopy and Microanalysis</i> , 1999, 5, 197-207.	0.4	34
8	A mannose-6-phosphonate-cholesterylamine conjugate as a specific molecular adhesive linking cancer cells with vesicles. <i>Chemical Communications</i> , 2001, , 85-86.	4.1	27
9	Self-Assembled Thermoreversible Gels of Nonpolar Liquids by Racemic Propargylic Alcohols with Fluorinated and Nonfluorinated Aromatic Rings. <i>Langmuir</i> , 2008, 24, 7421-7431.	3.5	24
10	Depth-Profiling with Giant Vesicle Membranes. <i>Journal of the American Chemical Society</i> , 2002, 124, 11842-11843.	13.7	21
11	Chemical Reaction between Colliding Vesicles. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3905-3907.	13.8	14
12	Biscationic bicephalic (double-headed) amphiphiles with an aromatic spacer and a single hydrophobic tail. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 560-564.	9.4	13
13	Colloidal and antibacterial properties of novel triple-headed, double-tailed amphiphiles: Exploring structure-activity relationships and synergistic mixtures. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3566-3573.	3.0	12
14	Heterodimerization Studies of Calix[4]arene Derivatives in Polar Solvents. <i>Organic Letters</i> , 2006, 8, 2913-2915.	4.6	10
15	Foams stabilized by tricationic amphiphilic surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 487, 190-197.	4.7	10
16	In-Lens Cryo-High-Resolution Scanning Electron Microscopy of Large Vesicles. <i>Langmuir</i> , 2000, 16, 98-101.	3.5	7
17	Hydra amphiphiles: Using three heads and one tail to influence aggregate formation and to kill pathogenic bacteria. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 440-448.	5.0	2
18	An Evolutionary Approach to Nanoscience in the Undergraduate Chemistry Curriculum at James Madison University. <i>ACS Symposium Series</i> , 2010, , 19-48.	0.5	1

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19	Kinetics of the Uncatalyzed Hydrostannation of Diethyl Acetylenedicarboxylate. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2003, 33, 725-734.	1.8	0
20	Summer REU Program Integrating Deaf and Hearing Participants in Chemistry Research. ACS Symposium Series, 2018, , 45-57.	0.5	0