

Fredric M Menger

List of Publications by Year in descending order

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85
papers

3,022
citations

147801

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168389

53
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87
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87
docs citations

87
times ranked

2746
citing authors

#	ARTICLE	IF	CITATIONS
1	Groups of Organic Molecules That Operate Collectively. <i>Angewandte Chemie International Edition in English</i> , 1991, 30, 1086-1099.	4.4	193
2	Gemini Surfactants with a Disaccharide Spacer. <i>Journal of the American Chemical Society</i> , 2001, 123, 875-885.	13.7	142
3	Cytomimetic Organic Chemistry: Early Developments. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 2091-2106.	4.4	138
4	Supramolecular chemistry and self-assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4818-4822.	7.1	137
5	Strings of Vesicles: A Flow Behavior in an Unusual Type of Aqueous Gel. <i>Journal of the American Chemical Society</i> , 2003, 125, 5340-5345.	13.7	131
6	Enzyme reactivity from an organic perspective. <i>Accounts of Chemical Research</i> , 1993, 26, 206-212.	15.6	127
7	Re-evaluating the Gibbs Analysis of Surface Tension at the Air/Water Interface. <i>Journal of the American Chemical Society</i> , 2009, 131, 10380-10381.	13.7	107
8	X-Ray Structure of a Self-Assembled Gelating Fiber. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 585-586.	4.4	99
9	Zwitterionic Geminis. Coacervate Formation from a Single Organic Compound. <i>Organic Letters</i> , 1999, 1, 1347-1350.	4.6	93
10	Anatomy of a Coacervate. <i>Langmuir</i> , 1998, 14, 4131-4137.	3.5	91
11	Relationship between Surface Tension and Surface Coverage. <i>Langmuir</i> , 2011, 27, 13975-13977.	3.5	88
12	An alternative view of enzyme catalysis. <i>Pure and Applied Chemistry</i> , 2005, 77, 1873-1886.	1.9	85
13	Synthesis and Properties of Multiarmed Geminis. <i>Journal of Organic Chemistry</i> , 1999, 64, 8916-8921.	3.2	84
14	Deactivation of Mustard and Nerve Agent Models via Low-Temperature Microemulsions. <i>Langmuir</i> , 1999, 15, 309-313.	3.5	64
15	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
16	Colloidal Assemblies of Branched Geminis Studied by Cryo-etch-HRSEM. <i>Journal of the American Chemical Society</i> , 2002, 124, 12408-12409.	13.7	59
17	Aggregate organischer Moleküle mit Kollektiveigenschaften. <i>Angewandte Chemie</i> , 1991, 103, 1104-1118.	2.0	52
18	Additional Support for a Revised Gibbs Analysis. <i>Langmuir</i> , 2010, 26, 1588-1589.	3.5	52

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19	Migration of Poly-L-lysine through a Lipid Bilayer. <i>Journal of the American Chemical Society</i> , 2003, 125, 2846-2847.	13.7	45
20	Surface Tension of Aqueous Amphiphiles. <i>Langmuir</i> , 2005, 21, 9010-9012.	3.5	45
21	Hierarchical structure of a self-assembled xerogel. <i>Chemical Communications</i> , 2001, , 275-276.	4.1	43
22	Relationship between rate and distance. <i>Chemical Communications</i> , 2003, , 2370.	4.1	42
23	Electrostatic Binding among Equilibrating 2-D and 3-D Self-Assemblies. <i>Journal of the American Chemical Society</i> , 2009, 131, 6672-6673.	13.7	38
24	A 1,3,5-Triaxial Triaminocyclohexane: The Triamine Corresponding to Kemp's Triacid. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2581-2584.	13.8	37
25	Octacationic Cyclophanes: Binding of ATP and Other Anionic Guests in Water. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 2147-2150.	4.4	36
26	Synthesis and Properties of Water-Soluble Asterisk Molecules. <i>Journal of the American Chemical Society</i> , 2002, 124, 11159-11166.	13.7	35
27	Evidence for the regulation of the activity of protein kinase C through changes in membrane properties. <i>Bioscience Reports</i> , 1991, 11, 59-64.	2.4	34
28	Synthesis and Reactivity of 5-Fluorouracil/Cytarabine Mutual Prodrugs. <i>Journal of Organic Chemistry</i> , 1997, 62, 9083-9088.	3.2	33
29	Reply to "Should the Gibbs Analysis Be Revised?". <i>Langmuir</i> , 2011, 27, 7963-7965.	3.5	33
30	Combinatorial Catalysis of an Elimination Reaction. <i>Journal of Organic Chemistry</i> , 1998, 63, 7578-7579.	3.2	32
31	Adhesive and Anti-Adhesive Agents in Giant Vesicles. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1350-1352.	13.8	31
32	A Tribute to the Phospholipid. <i>Langmuir</i> , 2005, 21, 10336-10341.	3.5	31
33	Is the Ether Group Hydrophilic or Hydrophobic?. <i>Langmuir</i> , 2005, 21, 2689-2695.	3.5	31
34	Die cytomimetische organische Chemie – ein erster Bericht. <i>Angewandte Chemie</i> , 1995, 107, 2260-2278.	2.0	29
35	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
36	Bolaforms with Fourteen Galactose Units: A Proposed Site-Directed Cohesion of Cancer Cells. <i>Organic Letters</i> , 2004, 6, 261-264.	4.6	27

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37	Fast Amide Cleavage under Mild Conditions: An Evolutionary Approach to Bioorganic Catalysis. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 346-348.	4.4	26
38	Interaction vs Preorganization in Enzyme Catalysis. A Dispute That Calls for Resolution. <i>ACS Chemical Biology</i> , 2019, 14, 1386-1392.	3.4	26
39	Exposure of Self-Assembly Interiors to External Elements. A Kinetic Approach. <i>Journal of the American Chemical Society</i> , 2006, 128, 9338-9339.	13.7	24
40	Contiguous versus Segmented Hydrophobicity in Micellar Systems. <i>Journal of the American Chemical Society</i> , 2004, 126, 15883-15889.	13.7	23
41	Transforming a Stable Amide into a Highly Reactive One: Capturing the Essence of Enzymatic Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5345-5348.	13.8	23
42	Struktur einer selbstorganisierten, gelbildenden Faser im Kristall. <i>Angewandte Chemie</i> , 1995, 107, 616-618.	2.0	22
43	Molecular Recognition among Structurally Similar Components of a Self-Assembling Soft Material. <i>Langmuir</i> , 2001, 17, 4490-4492.	3.5	22
44	Internally Catalyzed Separation of Adhered Lipid Membranes. <i>Journal of the American Chemical Society</i> , 2003, 125, 11800-11801.	13.7	22
45	Depth-Profiling with Giant Vesicle Membranes. <i>Journal of the American Chemical Society</i> , 2002, 124, 11842-11843.	13.7	21
46	Dynamic NMR and X-ray Studies of Chelated Lithium Phenolates. Tetramers with Pentacoordinate Lithium. <i>Journal of Organic Chemistry</i> , 1997, 62, 8923-8927.	3.2	20
47	Spiro-Surfactants and -Phospholipids: Synthesis and Properties. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 2137-2139.	4.4	18
48	A Singularity Model for Chemical Reactivity. <i>Chemistry - A European Journal</i> , 2010, 16, 1420-1427.	3.3	18
49	Noncovalent synthesis of organic fibers. <i>Advanced Materials</i> , 1995, 7, 669-671.	21.0	17
50	Digitonin as a Chemical Trigger for the Selective Transformation of Giant Vesicles. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 3433-3435.	13.8	17
51	Cytomimetic Modeling in Which One Phospholipid Liposome Chemically Attacks Another. <i>Journal of the American Chemical Society</i> , 2000, 122, 6492-6493.	13.7	16
52	A Non-Steroidal Facial Amphiphile. <i>Journal of the American Chemical Society</i> , 2006, 128, 4960-4961.	13.7	16
53	Remembrances of Self-Assemblies Past. <i>Langmuir</i> , 2011, 27, 5176-5183.	3.5	16
54	Ultrastructure in Frozen/Etched Saline Solutions: On the Internal Cleansing of Ice. <i>Journal of the American Chemical Society</i> , 2004, 126, 5987-5989.	13.7	14

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55	Schnelle Spaltung von Amidbindungen unter milden Bedingungen; ein evolutionärer Ansatz zur bioorganischen Katalyse. <i>Angewandte Chemie</i> , 1994, 106, 329-331.	2.0	13
56	Vesicular Latex. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1265-1267.	13.8	13
57	A-B-A-B-A Block Amphiphiles. Balance between Hydrophilic and Hydrophobic Segmentation. <i>Journal of the American Chemical Society</i> , 2007, 129, 272-273.	13.7	13
58	Self-assembling systems: Mining a rich vein. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 241-246.	9.4	13
59	High-Yield Synthesis of Lipid Systems with Giant Rings. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1492-1493.	4.4	12
60	Do dendritic amphiphiles self-assemble in water? A Fourier transform pulse-gradient spin-echo NMR study. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 392-399.	1.9	12
61	Synthesis of Defective Phospholipids. <i>Journal of Organic Chemistry</i> , 1996, 61, 7382-7390.	3.2	11
62	Coordination among Bond Formation/Cleavage in a Bifunctional-Catalyzed Fast Amide Hydrolysis: Evidence for an Optimized Intramolecular N-H -Protonation Event. <i>Journal of Organic Chemistry</i> , 2020, 85, 4663-4671.	3.2	11
63	Synthetic Chain-Substituted Phospholipids: Ion Transport Across Their Bilayer Membranes. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 898-900.	4.4	10
64	Spiro-Tenside und Phospholipide: Synthese und Eigenschaften. <i>Angewandte Chemie</i> , 1996, 108, 2266-2268.	2.0	10
65	Manipulation of Electric Charge on Vesicles by Means of Ionic Surfactants: Effects of Charge on Vesicle Mobility, Integrity, and Lipid Dynamics. <i>Chemistry - A European Journal</i> , 1997, 3, 690-695.	3.3	10
66	Octakationische Cyclophane: Bindung von ATP und anderen anionischen Gastmolekülen in Wasser. <i>Angewandte Chemie</i> , 1995, 107, 2330-2333.	2.0	9
67	Peptoads, a Group of Amphiphilic Long-Chain Triamides. <i>Langmuir</i> , 2005, 21, 10428-10438.	3.5	9
68	Solubilization of Paclitaxel (Taxol) by Peptoad Self-Assemblies. <i>Langmuir</i> , 2007, 23, 2308-2310.	3.5	9
69	Sodium Ion Internalized within Phospholipid Membranes. <i>Journal of the American Chemical Society</i> , 2006, 128, 14034-14035.	13.7	8
70	Nucleophilicity and Distance. <i>Advances in Chemistry Series</i> , 1987, , 209-218.	0.6	7
71	Struggles to correct published errors. <i>Nature</i> , 1992, 359, 666-668.	27.8	7
72	Hocheffiziente Synthese von Lipiden mit Riesenringen. <i>Angewandte Chemie</i> , 1992, 104, 1542-1543.	2.0	7

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73	Ketten- ϵ -substituierte Lipide als Substrate f $\frac{1}{4}$ r Phospholipase A ₂ . Angewandte Chemie, 1989, 101, 1277-1278.	2.0	6
74	Synthesis and Properties of a Poly-bolyte. Langmuir, 2000, 16, 6763-6765.	3.5	6
75	Addressing the regioselectivity problem in organic synthesis. Chemical Communications, 2006, , 3235.	4.1	5
76	Chain-Substituted Lipids as Substrates for Phospholipase A2. Angewandte Chemie International Edition in English, 1989, 28, 1218-1219.	4.4	4
77	Adamantane-Based Crystals with Rhythmic Morphologies. Langmuir, 2001, 17, 1324-1327.	3.5	4
78	An Alternative Molecular View of Evolution: How DNA was Altered over Geological Time. Molecules, 2020, 25, 5081.	3.8	4
79	Chronology of a Difficult Synthesis. Journal of Chemical Education, 2009, 86, 859.	2.3	3
80	Proton shuffling in acid/base-catalyzed enolizations: a computational study. Journal of Physical Organic Chemistry, 2012, 25, 1336-1342.	1.9	3
81	Transforming a Stable Amide into a Highly Reactive One: Capturing the Essence of Enzymatic Catalysis. Angewandte Chemie, 2017, 129, 5429-5432.	2.0	3
82	Characterizing the "Shell Phase" Formed from Amphiphilic Picolinates. Journal of the American Chemical Society, 2005, 127, 11914-11915.	13.7	2
83	Evolution of Complexity. Molecular Aspects of Preassembly. Molecules, 2021, 26, 6618.	3.8	2
84	Uncertainty in chemistry. Nature Chemistry, 2010, 2, 698-700.	13.6	1
85	On Wet Phospholipid Bilayers As Disclosed by the Nearest-Neighbor Recognition Method. Langmuir, 2005, 21, 2091-2092.	3.5	0