

# Fredric M Menger

## List of Publications by Year in descending order

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85  
papers

3,022  
citations

147726

31  
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168321

53  
g-index

87  
all docs

87  
docs citations

87  
times ranked

2746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of Complexity. Molecular Aspects of Preassembly. <i>Molecules</i> , 2021, 26, 6618.	1.7	2
2	An Alternative Molecular View of Evolution: How DNA was Altered over Geological Time. <i>Molecules</i> , 2020, 25, 5081.	1.7	4
3	Coordination among Bond Formation/Cleavage in a Bifunctional-Catalyzed Fast Amide Hydrolysis: Evidence for an Optimized Intramolecular <i>N</i> -Protonation Event. <i>Journal of Organic Chemistry</i> , 2020, 85, 4663-4671.	1.7	11
4	Interaction vs Preorganization in Enzyme Catalysis. A Dispute That Calls for Resolution. <i>ACS Chemical Biology</i> , 2019, 14, 1386-1392.	1.6	26
5	Transforming a Stable Amide into a Highly Reactive One: Capturing the Essence of Enzymatic Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 5429-5432.	1.6	3
6	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.	7.2	23
7	Proton shuffling in acid/base-catalyzed enolizations: a computational study. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 1336-1342.	0.9	3
8	Remembrances of Self-Assemblies Past. <i>Langmuir</i> , 2011, 27, 5176-5183.	1.6	16
9	Reply to "Should the Gibbs Analysis Be Revised?". <i>Langmuir</i> , 2011, 27, 7963-7965.	1.6	33
10	Relationship between Surface Tension and Surface Coverage. <i>Langmuir</i> , 2011, 27, 13975-13977.	1.6	88
11	A Singularity Model for Chemical Reactivity. <i>Chemistry - A European Journal</i> , 2010, 16, 1420-1427.	1.7	18
12	Self-assembling systems: Mining a rich vein. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 241-246.	5.0	13
13	Uncertainty in chemistry. <i>Nature Chemistry</i> , 2010, 2, 698-700.	6.6	1
14	Additional Support for a Revised Gibbs Analysis. <i>Langmuir</i> , 2010, 26, 1588-1589.	1.6	52
15	Chronology of a Difficult Synthesis. <i>Journal of Chemical Education</i> , 2009, 86, 859.	1.1	3
16	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.	6.6	107
17	Electrostatic Binding among Equilibrating 2-D and 3-D Self-Assemblies. <i>Journal of the American Chemical Society</i> , 2009, 131, 6672-6673.	6.6	38
18	Solubilization of Paclitaxel (Taxol) by Peptoid Self-Assemblies. <i>Langmuir</i> , 2007, 23, 2308-2310.	1.6	9

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19	A-B-A-B-A Block Amphiphiles. Balance between Hydrophilic and Hydrophobic Segmentation. Journal of the American Chemical Society, 2007, 129, 272-273.	6.6	13
20	Addressing the regioselectivity problem in organic synthesis. Chemical Communications, 2006, , 3235.	2.2	5
21	Exposure of Self-Assembly Interiors to External Elements. A Kinetic Approach. Journal of the American Chemical Society, 2006, 128, 9338-9339.	6.6	24
22	Sodium Ion Internalized within Phospholipid Membranes. Journal of the American Chemical Society, 2006, 128, 14034-14035.	6.6	8
23	A Non-Steroidal Facial Amphiphile. Journal of the American Chemical Society, 2006, 128, 4960-4961.	6.6	16
24	An alternative view of enzyme catalysis. Pure and Applied Chemistry, 2005, 77, 1873-1886.	0.9	85
25	A Tribute to the Phospholipid. Langmuir, 2005, 21, 10336-10341.	1.6	31
26	On Wet Phospholipid Bilayers As Disclosed by the Nearest-Neighbor Recognition Method. Langmuir, 2005, 21, 2091-2092.	1.6	0
27	Surface Tension of Aqueous Amphiphiles. Langmuir, 2005, 21, 9010-9012.	1.6	45
28	Is the Ether Group Hydrophilic or Hydrophobic?. Langmuir, 2005, 21, 2689-2695.	1.6	31
29	Peptoads, a Group of Amphiphilic Long-Chain Triamides. Langmuir, 2005, 21, 10428-10438.	1.6	9
30	Characterizing the "Shell Phase" Formed from Amphiphilic Picolinates. Journal of the American Chemical Society, 2005, 127, 11914-11915.	6.6	2
31	Vesicular Latex. Angewandte Chemie - International Edition, 2004, 43, 1265-1267.	7.2	13
32	Bolaforms with Fourteen Galactose Units: A Proposed Site-Directed Cohesion of Cancer Cells. Organic Letters, 2004, 6, 261-264.	2.4	27
33	Ultrastructure in Frozen/Etched Saline Solutions: On the Internal Cleansing of Ice. Journal of the American Chemical Society, 2004, 126, 5987-5989.	6.6	14
34	Contiguous versus Segmented Hydrophobicity in Micellar Systems. Journal of the American Chemical Society, 2004, 126, 15883-15889.	6.6	23
35	Strings of Vesicles: A Flow Behavior in an Unusual Type of Aqueous Gel. Journal of the American Chemical Society, 2003, 125, 5340-5345.	6.6	131
36	Internally Catalyzed Separation of Adhered Lipid Membranes. Journal of the American Chemical Society, 2003, 125, 11800-11801.	6.6	22

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37	Migration of Poly-l-lysine through a Lipid Bilayer. <i>Journal of the American Chemical Society</i> , 2003, 125, 2846-2847.	6.6	45
38	Relationship between rate and distance. <i>Chemical Communications</i> , 2003, , 2370.	2.2	42
39	Supramolecular chemistry and self-assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4818-4822.	3.3	137
40	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.	6.6	63
41	Depth-Profiling with Giant Vesicle Membranes. <i>Journal of the American Chemical Society</i> , 2002, 124, 11842-11843.	6.6	21
42	Colloidal Assemblies of Branched Geminis Studied by Cryo-etch-HRSEM. <i>Journal of the American Chemical Society</i> , 2002, 124, 12408-12409.	6.6	59
43	Synthesis and Properties of Water-Soluble Asterisk Molecules. <i>Journal of the American Chemical Society</i> , 2002, 124, 11159-11166.	6.6	35
44	Adhesive and Anti-Adhesive Agents in Giant Vesicles. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1350-1352.	7.2	31
45	A 1,3,5-Triaxial Triaminocyclohexane: The Triamine Corresponding to Kemp's Triacid. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2581-2584.	7.2	37
46	Gemini Surfactants with a Disaccharide Spacer. <i>Journal of the American Chemical Society</i> , 2001, 123, 875-885.	6.6	142
47	Adamantane-Based Crystals with Rhythmic Morphologies. <i>Langmuir</i> , 2001, 17, 1324-1327.	1.6	4
48	A mannose-6-phosphonate-cholesterylamine conjugate as a specific molecular adhesive linking cancer cells with vesicles. <i>Chemical Communications</i> , 2001, , 85-86.	2.2	27
49	Hierarchical structure of a self-assembled xerogel. <i>Chemical Communications</i> , 2001, , 275-276.	2.2	43
50	Molecular Recognition among Structurally Similar Components of a Self-Assembling Soft Material. <i>Langmuir</i> , 2001, 17, 4490-4492.	1.6	22
51	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.	0.9	12
52	Cytomimetic Modeling in Which One Phospholipid Liposome Chemically Attacks Another. <i>Journal of the American Chemical Society</i> , 2000, 122, 6492-6493.	6.6	16
53	Synthesis and Properties of a Poly-bolyte. <i>Langmuir</i> , 2000, 16, 6763-6765.	1.6	6
54	Synthesis and Properties of Multiarmed Geminis. <i>Journal of Organic Chemistry</i> , 1999, 64, 8916-8921.	1.7	84

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55	Zwitterionic Geminis. Coacervate Formation from a Single Organic Compound. <i>Organic Letters</i> , 1999, 1, 1347-1350.	2.4	93
56	Deactivation of Mustard and Nerve Agent Models via Low-Temperature Microemulsions. <i>Langmuir</i> , 1999, 15, 309-313.	1.6	64
57	Digitonin as a Chemical Trigger for the Selective Transformation of Giant Vesicles. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 3433-3435.	7.2	17
58	Anatomy of a Coacervate. <i>Langmuir</i> , 1998, 14, 4131-4137.	1.6	91
59	Combinatorial Catalysis of an Elimination Reaction. <i>Journal of Organic Chemistry</i> , 1998, 63, 7578-7579.	1.7	32
60	Dynamic NMR and X-ray Studies of Chelated Lithium Phenolates. Tetramers with Pentacoordinate Lithium. <i>Journal of Organic Chemistry</i> , 1997, 62, 8923-8927.	1.7	20
61	Synthesis and Reactivity of 5-Fluorouracil/Cytarabine Mutual Prodrugs. <i>Journal of Organic Chemistry</i> , 1997, 62, 9083-9088.	1.7	33
62	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.	1.7	10
63	Synthesis of Defective Phospholipids. <i>Journal of Organic Chemistry</i> , 1996, 61, 7382-7390.	1.7	11
64	Spiro- $\epsilon$ -Tenside und $\epsilon$ -Phospholipide: Synthese und Eigenschaften. <i>Angewandte Chemie</i> , 1996, 108, 2266-2268.	1.6	10
65	Spiro-Surfactants and -Phospholipids: Synthesis and Properties. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 2137-2139.	4.4	18
66	Noncovalent synthesis of organic fibers. <i>Advanced Materials</i> , 1995, 7, 669-671.	11.1	17
67	Struktur einer selbstorganisierten, gelbildenden Faser im Kristall. <i>Angewandte Chemie</i> , 1995, 107, 616-618.	1.6	22
68	Die cytomimetische organische Chemie $\epsilon$ ein erster Bericht. <i>Angewandte Chemie</i> , 1995, 107, 2260-2278.	1.6	29
69	Octakationische Cyclophane: Bindung von ATP und anderen anionischen Gastmolekülen in Wasser. <i>Angewandte Chemie</i> , 1995, 107, 2330-2333.	1.6	9
70	X-Ray Structure of a Self-Assembled Gelating Fiber. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 585-586.	4.4	99
71	Cytomimetic Organic Chemistry: Early Developments. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 2091-2106.	4.4	138
72	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

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73	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
74	Schnelle Spaltung von Amidbindungen unter milden Bedingungen; ein evolutionärer Ansatz zur bioorganischen Katalyse. <i>Angewandte Chemie</i> , 1994, 106, 329-331.	1.6	13
75	Enzyme reactivity from an organic perspective. <i>Accounts of Chemical Research</i> , 1993, 26, 206-212.	7.6	127
76	Struggles to correct published errors. <i>Nature</i> , 1992, 359, 666-668.	13.7	7
77	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
78	High-Yield Synthesis of Lipid Systems with Giant Rings. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1492-1493.	4.4	12
79	Hocheffiziente Synthese von Lipiden mit Riesenringen. <i>Angewandte Chemie</i> , 1992, 104, 1542-1543.	1.6	7
80	Evidence for the regulation of the activity of protein kinase C through changes in membrane properties. <i>Bioscience Reports</i> , 1991, 11, 59-64.	1.1	34
81	Groups of Organic Molecules That Operate Collectively. <i>Angewandte Chemie International Edition in English</i> , 1991, 30, 1086-1099.	4.4	193
82	Aggregate organischer Moleküle mit Kollektiveigenschaften. <i>Angewandte Chemie</i> , 1991, 103, 1104-1118.	1.6	52
83	Ketten-substituierte Lipide als Substrate für Phospholipase A <sub>2</sub> . <i>Angewandte Chemie</i> , 1989, 101, 1277-1278.	1.6	6
84	Chain-Substituted Lipids as Substrates for Phospholipase A <sub>2</sub> . <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1218-1219.	4.4	4
85	Nucleophilicity and Distance. <i>Advances in Chemistry Series</i> , 1987, , 209-218.	0.6	7