Franck Meyer

List of Publications by Year
in descending order

86 papers	5,186 citations	126907 33 h-index	85541 71 g-index
93 all docs	93 docs citations	93 times ranked	5530 citing authors

#	Article	IF	Citations
1	Thermoplastic polyurethanes for biomedical application: A synthetic, mechanical, antibacterial, and cytotoxic study. Journal of Applied Polymer Science, 2022, 139, 51666.	2.6	8
2	Cover Image, Volume 139, Issue 4. Journal of Applied Polymer Science, 2022, 139, 51760.	2.6	0
3	Antiproliferative activity of a new xanthone derivative from leaves of Garcinia nobilis Engl.. Natural Product Research, 2021, 35, 5604-5611.	1.8	4
4	Pyrrovobasine, hybrid alkylated pyrraline monoterpene indole alkaloid pseudodimer discovered using a combination of mass spectral and NMR-based machine learning annotations. Organic and Biomolecular Chemistry, 2021, 20, 98-105.	2.8	4
5	Synthesis, structure and anticancer properties of new biotin- and morpholine-functionalized ruthenium and osmium half-sandwich complexes. Journal of Biological Inorganic Chemistry, 2021, 26, 535-549.	2.6	5
6	Voatriafricanines A and B, Trimeric Vobasine-Aspidosperma-Aspidosperma Alkaloids from Voacanga africana. Journal of Natural Products, 2021, 84, 2755-2761.	3.0	7
7	Stimuli Responsive Materials Supported by Orthogonal Hydrogen and Halogen Bonding or IÂ·Â·Â·Alkene Interaction. Molecules, 2021, 26, 7586.	3.8	2
8	Compound isolation and biological activities of Piptadeniastrum africanum (hook.f.) Brennan roots. Journal of Ethnopharmacology, 2020, 255, 112716.	4.1	3
9	Halogen bonding for molecular recognition: new developments in materials and biological sciences. Chemical Communications, 2020, 56, 4970-4981.	4.1	90
10	A comprehensive analysis of the protein-ligand interactions in crystal structures of Mycobacterium tuberculosis EthR. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 248-258.	2.3	11
11	Biological activities of plant extracts from Ficus elastica and Selaginella vogelli : An antimalarial, antitrypanosomal and cytotoxity evaluation. Saudi Journal of Biological Sciences, 2018, 25, 117-122.	3.8	26
12	Crystal packing and theoretical analysis of halogen- and hydrogen-bonded hydrazones from pharmaceuticals. Evidence of type I and II halogen bonds in extended chains of dichloromethane. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 618-627.	1.1	7
13	Triple-stimuli responsive polymers with fine tuneable magnetic responses. Polymer Chemistry, 2017, 8, 2450-2456.	3.9	25
14	Structural analysis of the interaction between spiroisoxazoline SMARt-420 and the Mycobacterium tuberculosis repressor EthR2. Biochemical and Biophysical Research Communications, 2017, 487, 403-408.	2.1	9
15	From Dynamic Combinatorial Chemistry to in Vivo Evaluation of Reversible and Irreversible Myeloperoxidase Inhibitors. ACS Medicinal Chemistry Letters, 2017, 8, 206-210.	2.8	19
16	In vitro antimicrobial activity of the methanol extract and compounds from the wood of Ficus elastica Roxb. ex Hornem. aerial roots. South African Journal of Botany, 2017, 111, 302-306.	2.5	9
17	Discovery of Novel Potent Reversible and Irreversible Myeloperoxidase Inhibitors Using Virtual Screening Procedure. Journal of Medicinal Chemistry, 2017, 60, 6563-6586.	6.4	34
18	Halogen bonded Borromean networks by design: topology invariance and metric tuning in a library of multi-component systems. Chemical Science, 2017, 8, 1801-1810.	7.4	35

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19	Connectivity and Topology Invariance in Self-Assembled and Halogen-Bonded Anionic (6,3)-Networks. Molecules, 2017, 22, 2060.	3.8	1
20	Interplay between poly(ethylene oxide) and poly(<scp>l</scp>-lactide) blocks during diblock copolymer crystallization. CrystEngComm, 2016, 18, 3635-3649.	2.6	19
21	Identification of compounds with anti-proliferative activity from the wood of Ficus elastica Roxb. ex Hornem. aerial roots. FÃ¬toterapÃ¬Ã¢, 2016, 112, 65-73.	2.2	13
22	Characterization of chemical features of potent myeloperoxidase inhibitors. Future Medicinal Chemistry, 2016, 8, 1163-1177.	2.3	10
23	Trifluoromethyl nitrogen heterocycles: synthetic aspects and potential biological targets. Chemical Communications, 2016, 52, 3077-3094.	4.1	133
24	In vitro antimicrobial and anti-proliferative activities of plant extracts from Spathodea campanulata, Ficus bubu, and Carica papaya. Pharmaceutical Biology, 2016, 54, 1086-1095.	2.9	24
25	Halogen bonding in a multi-connected 1,2,2-triiodo-alkene involving geminal and/or vicinal iodines: a crystallographic and DFT study. CrystEngComm, 2016, 18, 683-690.	2.6	23
26	Pyrene-end-functionalized poly(L-lactide) as an efficient carbon nanotube dispersing agent in poly(L-lactide): mechanical performance and biocompatibility study. Biomedical Materials (Bristol), 2015, 10, 045003.	3.3	15
27	Halogen bonding in polymer science: from crystal engineering to functional supramolecular polymers and materials. Polymer Chemistry, 2015, 6, 3559-3580.	3.9	213
28	Fluorinated conjugated polymers in organic bulk heterojunction photovoltaic solar cells. Progress in Polymer Science, 2015, 47, 70-91.	24.7	114
29	In Vitro Evaluation of Antimicrobial and Antiproliferative Activities for Compounds Isolated from the Ficus Bubu Warb. (Moraceae) Fruits: Chemotaxonomic Significance. Drug Delivery Letters, 2015, 5, 122-131.	0.5	6
30	Interplay between Halogen Bonding and Lone Pairâ€“Ï€ Interactions: A Computational and Crystal Packing Study. ChemPlusChem, 2014, 79, 552-558.	2.8	23
31	The 1:1 co-crystal of triphenyl(2,3,5,6-tetrafluorobenzyl)phosphonium bromide and 1,1,2,2-tetrafluoro-1,2-diiodoethane. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o9-o10.	0.2	1
32	Tilted fiber Bragg gratings as a new sensing device for in situ and real time monitoring of surface-initiated polymerization. Polymer Chemistry, 2014, 5, 2506.	3.9	5
33	Synthesis of Î±-CF3 azanorbornene and azetidines by aza Dielsâ€“Alder or iodine-mediated cyclizations: application in ROMP and ligand design. Tetrahedron Letters, 2014, 55, 6339-6342.	1.4	8
34	Magnetic Poly(vinylpyridine)â€Coated Carbon Nanotubes: An Efficient Supramolecular Tool for Wastewater Purification. ChemSusChem, 2013, 6, 367-373.	6.8	27
35	Halogen bonding at work: recent applications in synthetic chemistry and materials science. CrystEngComm, 2013, 15, 3058-3071.	2.6	217
36	Synthesis of binary-patterned brushes by combining atom transfer radical polymerization and ring-opening polymerization. E-Polymers, 2013, 13, .	3.0	3

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37	High-resolution structure of a papaya plant-defence barwin-like protein solved by in-house sulfur-SAD phasing. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 2017-2026.	2.5	16
38	Polylactide stereocomplex crystallization prompted by multiwall carbon nanotubes. Journal of Applied Polymer Science, 2013, 130, 4327-4337.	2.6	23
39	Ceramide, cerebroside and triterpenoid saponin from the bark of aerial roots of Ficus elastica (Moraceae). Phytochemistry, 2012, 83, 95-103.	2.9	28
40	Imidazolium Endâ€Functionalized ATRP Polymers as Directing Agents for CNT Dispersion and Confinement. Macromolecular Chemistry and Physics, 2012, 213, 1259-1265.	2.2	7
41	Surface-initiated controlled polymerization as a convenient method for designing functional polymer brushes: From self-assembled monolayers to patterned surfaces. Progress in Polymer Science, 2012, 37, 157-181.	24.7	224
42	Reversible positioning at submicrometre scale of carbon nanotubes mediated by pH-sensitive poly(amino-methacrylate) patterns. Chemical Communications, 2011, 47, 1163-1165.	4.1	13
43	Supramolecular design of high-performance poly(l-lactide)/carbon nanotube nanocomposites: from melt-processing to rheological, morphological and electrical properties. Journal of Materials Chemistry, 2011, 21, 16190.	6.7	23
44	Poly(ethylene oxide)-b-poly(<scp>l</scp>-lactide) Diblock Copolymer/Carbon Nanotube-Based Nanocomposites: LiCl as Supramolecular Structure-Directing Agent. Biomacromolecules, 2011, 12, 4086-4094.	5.4	29
45	Self-Complementary Nonlinear Optical-Phores Targeted to Halogen Bond-Driven Self-Assembly of Electro-Optic Materials. Crystal Growth and Design, 2011, 11, 5642-5648.	3.0	67
46	Synthesis of Clicked Imidazoliumâ€Containing Biosourced Copolymers and Application in Carbon Nanotube Dispersion. Macromolecular Rapid Communications, 2011, 32, 1960-1964.	3.9	13
47	Design of Crossâ€Linked Semicrystalline Poly(Îµâ€caprolactone)â€Based Networks with Oneâ€Way and Twoâ€Way Shapeâ€Memory Properties through Dielsâ€“Alder Reactions. Chemistry - A European Journal, 2011, 17, 10135-10143.	3.3	114
48	Thermal degradation of poly(l-lactide): Accelerating effect of residual DBU-based organic catalysts. Polymer Degradation and Stability, 2011, 96, 739-744.	5.8	35
49	Structureâ€“Function Relationships in Liquidâ€Crystalline Halogenâ€Bonded Complexes. Chemistry - A European Journal, 2010, 16, 9511-9524.	3.3	117
50	Halogen-bonded and interpenetrated networks through the self-assembly of diiodoperfluoroarene and tetrapyridyl tectons. Journal of Fluorine Chemistry, 2010, 131, 1218-1224.	1.7	29
51	Synthesis and Supramolecular Organization of Regioregular Polythiophene Block Oligomers. Journal of Organic Chemistry, 2010, 75, 1561-1568.	3.2	43
52	Controlled room temperature ROP of L-lactide by ICl3: a simple halogen-bonding catalyst. Polymer Chemistry, 2010, 1, 434-437.	3.9	72
53	Poly(amino-methacrylate) as versatile agent for carbon nanotube dispersion: an experimental, theoretical and application study. Journal of Materials Chemistry, 2010, 20, 6873.	6.7	41
54	Imidazolium end-functionalized poly(l-lactide) for efficient carbon nanotube dispersion. Chemical Communications, 2010, 46, 5527.	4.1	34

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55	(E)-3-(2,3,4,5,6-Pentafluorostyryl)thiophene. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o896-o897.	0.2	3
56	Ionic IPNs as novel candidates for highly conductive solid polymer electrolytes. Journal of Polymer Science Part A, 2009, 47, 4245-4266.	2.3	56
57	Synthesis, polymerization and conducting properties of an ionic liquid-type anionic monomer. Tetrahedron Letters, 2009, 50, 128-131.	1.4	35
58	Halide anions driven self-assembly of haloperfluoroarenes: Formation of one-dimensional non-covalent copolymers. Journal of Fluorine Chemistry, 2009, 130, 1171-1177.	1.7	60
59	Halogen Bonding in Supramolecular Chemistry. Angewandte Chemie - International Edition, 2008, 47, 6114-6127.	13.8	1,446
60	Dendrimeric Tectons in Halogen Bonding-Based Crystal Engineering. Crystal Growth and Design, 2008, 8, 654-659.	3.0	54
61	Binding Energies and 19F Nuclear Magnetic Deshielding in Paramagnetic Halogen-Bonded Complexes of TEMPO with Haloperfluorocarbons. Journal of Physical Chemistry A, 2008, 112, 9911-9918.	2.5	46
62	Mesogenic, trimeric, halogen-bonded complexes from alkoxystilbazoles and 1,4-diiodotetrafluorobenzene. New Journal of Chemistry, 2008, 32, 477-482.	2.8	114
63	Mutual induced coordination in halogen-bonded anionic assemblies with (6,3) cation-templated topologies. Chemical Communications, 2008, , 1635.	4.1	100
64	2-(2,3,5,6-Tetrafluoro-4-iodoanilino)ethanol. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o211-o211.	0.2	1
65	Supramolecular anion coordination networks with (6.3) cation-templated topologies. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C489-C489.	0.3	0
66	Tuning second-order NLO responses through halogen bonding. Chemical Communications, 2007, , 2590.	4.1	110
67	Highly Interpenetrated Supramolecular Networks Supported by Nâ‹…â‹…â‹…I Halogen Bonding. Chemistry - A European Journal, 2007, 13, 5765-5772.	3.3	124
68	4,4â€²-Bipyridineâ€“2,4,5,6-tetrafluoro-1,3-diiodobenzene (1/1). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4243-o4243.	0.2	14
69	Engineering functional materials by halogen bonding. Journal of Polymer Science Part A, 2007, 45, 1-15.	2.3	212
70	Metric engineering of supramolecular Borromean rings. Chemical Communications, 2006, , 1819.	4.1	93
71	Solid state synthesis under supramolecular control of a 2D heterotetratopic self-complementary tecton tailored to halogen bonding. New Journal of Chemistry, 2006, 30, 1397.	2.8	65
72	Hybrid Calixarene/Inorganic Salt/Diiodoperfluorocarbon Supramolecular Assemblies. Supramolecular Chemistry, 2006, 18, 235-243.	1.2	36

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73	Halogen bonding-based crystal engineering: from Borromean links to homochiral double helices. Acta Crystallographica Section A: Foundations and Advances, 2006, 62, s218-s218.	0.3	0
74	A One-Pot Synthesis of Doubly Unsaturated Trifluoromethyl Amines:Easy Access to CF3-Substituted Piperidines. European Journal of Organic Chemistry, 2005, 2005, 1258-1265.	2.4	32
75	A One-Pot Synthesis of Doubly Unsaturated Trifluoromethyl Amines: Easy Access to CF3-Substituted Piperidines.. ChemInform, 2005, 36, no.	0.0	0
76	Haloperfluorocarbons: Versatile Tectons in Halogen Bonding Based Crystal Engineering. ACS Symposium Series, 2005, , 514-542.	0.5	8
77	Cyclotriphosphazene [N3P3(2,2â€²-dioxybiphenyl)2-(4-pyridinoxy)2] and its halogen bonded complex with 1,4-diiodotetrafluorobenzene. CrystEngComm, 2005, 7, 511.	2.6	17
78	A novel phosphorusâ€“carbon bond formation by ring opening with diethyl phosphite of oxazolines derived from serine. Tetrahedron, 2004, 60, 3593-3597.	1.9	20
79	Crystal engineering of brominated tectons: N-methyl-3,5-dibromo-pyridinium iodide gives particularly short Câ€“Brâ‹¯I halogen bonding. New Journal of Chemistry, 2004, 28, 760-763.	2.8	75
80	Stereoselective Barbier-Type Allylation Reaction of Trifluoromethyl Aldimines. Journal of Organic Chemistry, 2003, 68, 6444-6446.	3.2	61
81	Efficient Synthesis of Î²-Halogeno Protected L-Alanines and Their Î²-Phosphonium Derivatives.. ChemInform, 2003, 34, no.	0.0	0
82	Stereoselective Barbier-Type Allylation Reaction of Trifluoromethyl Aldimines.. ChemInform, 2003, 34, no.	0.0	0
83	NMR enantiodifferentiation of triphenylphosphonium salts by chiral hexacoordinated phosphate anions. Tetrahedron Letters, 2003, 44, 2467-2471.	1.4	37
84	Efficient synthesis of Î²-halogeno protected l-alanines and their Î²-phosphonium derivatives. Tetrahedron: Asymmetry, 2003, 14, 2229-2238.	1.8	13
85	Triphenylphosphonium salts bearing an l-alanyl substituent: short synthesis and enantiomeric analysis by NMR. Tetrahedron Letters, 2001, 42, 3981-3984.	1.4	14
86	Self-assembled ruthenium and osmium nanosystems display potent anticancer profile by interfering with metabolic activity. Inorganic Chemistry Frontiers, 0, , .	6.0	1