Paul C Stein

List of Publications by Year
in descending order

66 papers	1,569 citations	304602 22 h-index	315616 38 g-index
66 all docs	66 docs citations	66 times ranked	1726 citing authors

#	Article	IF	Citations
1	Functionally Rigid Bistable [2]Rotaxanes. Journal of the American Chemical Society, 2007, 129, 960-970.	6.6	125
2	Crown ether derivatives of tetrathiafulvalene. 1. Journal of Organic Chemistry, 1992, 57, 6403-6409.	1.7	123
3	Selfâ€assembling Tetrathiafulvaleneâ€based Rotaxanes and Catenanes. Chemistry - A European Journal, 1996, 2, 624-633.	1.7	83
4	Chloride Anion Controlled Molecular â€œSwitchingâ€• Binding of 2,5,7-Trinitro-9-dicyanomethylenefluorene-C₆₀ by Tetrathiafulvalene Calix[4]pyrrole and Photophysical Generation of Two Different Charge-Separated States. Journal of the American Chemical Society, 2008, 130, 460-462.	6.6	79
5	Apparent Specific Volume Measurements of Poly(ethylene oxide), Poly(butylene oxide), Poly(propylene) Tj ETQq1 1 0.784314 rgBT /O Chemistry B, 2004, 108, 6242-6249.	1.2	74
6	19F NMR studies of Nafionâ„¢ ionomer adsorption on PEMFC catalysts and supporting carbons. Solid State Ionics, 2007, 178, 1568-1575.	1.3	67
7	Synthesis of Novel Tetrathiafulvalene-Based[3]Pseudocatenanes by Self-Assembly; Prevention oftrans/cis Isomerization. Angewandte Chemie International Edition in English, 1995, 34, 2524-2528.	4.4	65
8	Solubilization of ibuprofen with Î²-cyclodextrin derivatives: Energetic and structural studies. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 446-451.	1.4	56
9	Binding studies of tetrathiafulvalene-calix[4]pyrroles with electron-deficient guests. Tetrahedron, 2008, 64, 8449-8463.	1.0	53
10	Biphasic Behavior of the High-Spin â†' Low-Spin Relaxation of [Fe(btpa)](PF6)2in Solution (btpa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 134-139.	1.9	48
11	NMR structure of an Â-L-LNA:RNA hybrid: structural implications for RNase H recognition. Nucleic Acids Research, 2003, 31, 5858-5867.	6.5	46
12	Experimental Determination of Drug Diffusion Coefficients in Unstirred Aqueous Environments by Temporally Resolved Concentration Measurements. Molecular Pharmaceutics, 2018, 15, 1488-1494.	2.3	46
13	Multifunctional liposomes for nasal delivery of the anti-Alzheimer drug tacrine hydrochloride. Journal of Liposome Research, 2014, 24, 323-335.	1.5	44
14	Synthesis of 3'-C-(Hydroxymethyl)thymidine: Introduction of a Novel Class of Deoxynucleosides and Oligodeoxynucleotides. Journal of the American Chemical Society, 1994, 116, 2231-2232.	6.6	43
15	Using Molecular Force to Overcome Steric Barriers in a Springlike Molecular Ouroboros**. Advanced Functional Materials, 2007, 17, 751-762.	7.8	39
16	Experimental results for liquid alkali-group IV alloys. Journal of Non-Crystalline Solids, 1984, 61-62, 201-206.	1.5	36
17	Quantification of the Ï€â€“Ï€ Interactions that Govern Tertiary Structure in Donorâ€“Acceptor [2]Pseudorotaxanes. Journal of the American Chemical Society, 2012, 134, 3857-3863.	6.6	31
18	23Na Knight shift of liquid Na-Sn alloys. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 95, 451-453.	0.9	25

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19	Preparation, Structure Determination and Thermal Transformation of a New Lithium Zinc Phosphate, Î´1-LiZnPO4. Journal of Solid State Chemistry, 1995, 117, 39-47.	1.4	25
20	Impact of Mucin on Drug Diffusion: Development of a Straightforward In Vitro Method for the Determination of Drug Diffusivity in the Presence of Mucin. Pharmaceutics, 2020, 12, 168.	2.0	25
21	Durch Selbstorganisation zu nicht trans/cisâ€isomerisierenden Tetrathiafulvalenâ€haltigen [3]Pseudocatenanen. Angewandte Chemie, 1995, 107, 2719-2723.	1.6	23
22	Nuclear relaxation and antiferromagnetic critical effects in organic conductors. Physical Review B, 1986, 33, 7608-7614.	1.1	22
23	A study by solid-state and solution carbon-13 NMR on silicon-containing polyacetylenes. Macromolecules, 1991, 24, 2858-2861.	2.2	22
24	A method for simultaneous quantification of phospholipid species by routine 31P NMR. Journal of Pharmaceutical and Biomedical Analysis, 2012, 70, 708-712.	1.4	22
25	A comparison of the hairpin stability of the palindromic d(CGCG(A/T)4CGCG) oligonucleotides. Nucleic Acids Research, 1995, 23, 4576-4582.	6.5	21
26	Differential line broadening in the NMR spectrum of methanol adsorbed on sol-gel silica. Journal of the American Chemical Society, 1989, 111, 5114-5119.	6.6	18
27	Poly(3-butyl-co-3,4-dibutylthiophene) copolymers: a new series of conjugated materials with a different energy-gap. Polymer, 1996, 37, 1059-1064.	1.8	18
28	Overcoming instability and low solubility of new cytostatic compounds: A comparison of two approaches. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 657-662.	2.0	17
29	Studying the effect of solubilizing agents on drug diffusion through the unstirred water layer (UWL) by localized spectroscopy. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 139, 205-212.	2.0	17
30	Characterization of co-existing colloidal structures in fasted state simulated fluids FaSSIF: A comparative study using AF4/MALLS, DLS and DOSY. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 531-536.	1.4	15
31	NMR study of the structural defects in poly(3-alkylthiophene)s: influence of the polymerization method. Synthetic Metals, 1995, 69, 305-306.	2.1	14
32	A benzoic acid ester from Uvaria narum. Phytochemistry, 1995, 38, 951-955.	1.4	13
33	A Novel Method for the Investigation of Liquid/Liquid Distribution Coefficients and Interface Permeabilities Applied to the Water-Octanol-Drug System. Pharmaceutical Research, 2011, 28, 2140-2146.	1.7	13
34	Co-existing colloidal phases in artificial intestinal fluids assessed by AF4/MALLS and DLS: A systematic study into cholate & (lyso-) phospholipid blends, incorporating celecoxib as a model drug. European Journal of Pharmaceutical Sciences, 2018, 120, 61-72.	1.9	13
35	Co-existing colloidal phases of human duodenal aspirates: Intraindividual fluctuations and interindividual variability in relation to molecular composition. Journal of Pharmaceutical and Biomedical Analysis, 2019, 170, 22-29.	1.4	13
36	NMR studies of poly(3-alkylthiophenes). Synthetic Metals, 1991, 41, 559-562.	2.1	12

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37	Towards a better mechanistic comprehension of drug permeation and absorption: Introducing the diffusion-partitioning interplay. International Journal of Pharmaceutics, 2021, 608, 121116.	2.6	12
38	Design and Implementation of a Simple Shaped-Notch Filter. Journal of Magnetic Resonance Series B, 1995, 109, 93-96.	1.6	11
39	Spectroscopic Analysis of Structural Defects in Poly(3-decylthiophene)s: Influence of the Polymerization Method. The Journal of Physical Chemistry, 1995, 99, 3331-3337.	2.9	11
40	Dynamic Bis-Intercalation of a Homodimeric Thiazole Orange Dye in DNA: Evidence of Intercalator Creeping. Journal of Biomolecular Structure and Dynamics, 1997, 15, 321-332.	2.0	11
41	Hydrothermal synthesis and crystal structure ofÎ±-LiZnAsO4. Journal of Materials Chemistry, 1998, 8, 969-975.	6.7	10
42	In vivo quantitative NMR imaging of fruit tissues during growth using Spoiled Gradient Echo sequence. Magnetic Resonance Imaging, 2014, 32, 1418-1427.	1.0	10
43	Influence of the chalcogenocarbonyl group on the structure of heterocyclic analogues of Î²-tricarbonyl compounds. Synthesis and structural features of Schiff bases derived from 3-formyl-4-thio(seleno)coumarin. Journal of the Chemical Society Perkin Transactions II, 1993, , 2423-2428.	0.9	9
44	High-resolutionC13NMR investigation of the metal-semiconductor transition in an organic conductor. Physical Review B, 1987, 35, 4389-4392.	1.1	8
45	NMR solution structure of dsDNA containing a bicyclicD-arabino-configured nucleotide fixed in an O4â€²-endo sugar conformation. Organic and Biomolecular Chemistry, 2003, 1, 1790-1797.	1.5	8
46	Strain-induced substitutional lability in a Ru(ii) complex of a hypodentate polypyridine ligand. Dalton Transactions, 2004, , 1215-1220.	1.6	8
47	Self-Assembly of Dimeric Tetrathiafulvalene-Calix[4]pyrrole: Receptor for 1,3,5-Trinitrobenzene. Organic Letters, 2011, 13, 6176-6179.	2.4	8
48	Solid-state carbon-13 NMR studies of the structural transition in Physical Chemistry, 1989, 93, 3038-3041.	2.9	7
49	Spectroscopic analysis of structure in poly(3-butyl-co-3,4-dibutylthiophene) copolymers. Synthetic Metals, 1995, 69, 375-376.	2.1	6
50	Coordinationâ€Driven Switching of a Preorganized and Cooperative Calix[4]pyrrole Receptor. Chemistry - A European Journal, 2013, 19, 2768-2775.	1.7	6
51	High-resolution NMR in bistetramethyltetraselenafulvalenium salts [(TMTSF)2X, X=ClO4,ReO4, andPF6]. Physical Review B, 1988, 37, 10637-10645.	1.1	4
52	Two-dimensional solid state NMR studies of poly(aniline). Synthetic Metals, 1993, 55, 702-707.	2.1	4
53	Optical properties and structure of thiophene substituted copolymers. Solid State Communications, 1996, 99, 707-712.	0.9	4
54	Hydrothermal synthesis, crystal structure and thermal transformation of a new zinc arsenate hydrate, Zn9(AsO4)6Â·4H2Oâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1998, , 527-532.	1.1	4

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55	Facile route for the synthesis of the iminosugar nucleoside (3R,4R)-1-(pyren-1-yl)-4-(hydroxymethyl)pyrrolidin-3-ol. Carbohydrate Research, 2004, 339, 1565-1568.	1.1	4
56	Synthesis and Complexation Studies between Trifluoromethylammonium Threads and Dibenzo[24]Crownâ€8. European Journal of Organic Chemistry, 2011, 2011, 759-769.	1.2	4
57	Ã‰n route to molecular sensors based on TTF. Synthetic Metals, 1993, 56, 1972-1977.	2.1	3
58	NMR investigation of doped poly(3-alkylthiophene)s. Synthetic Metals, 1993, 55, 708-713.	2.1	3
59	Monopyrrolotetrathiafulvalenium dication and its complexation with 1,5-dinaphtho[38]crown-10. Supramolecular Chemistry, 2009, 21, 157-163.	1.5	3
60	Quantifying the barrier for the movement of cyclobis(paraquat-p-phenylene) over the dication of monopyrrolotetrathiafulvalene. Organic and Biomolecular Chemistry, 2022, , .	1.5	3
61	Synthesis of the 3â€²â€Câ€Hydroxymethylâ€Branched Locked Nucleic Acid Thymidine Monomer. European Journal of Organic Chemistry, 2008, 2008, 5715-5722.	1.2	2
62	High resolution NMR investigation in the organic conductors (TMTSF)2X, X = ClO4, ReO4. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1986, 143, 491-493.	0.9	0
63	Temperature effects on the 13C high resolution NMR in (TMTSF)2X salts. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1986, 143, 494-496.	0.9	0
64	Temperature effects on the 13C high resolution NMR in (TMTSF)2X salts. Synthetic Metals, 1987, 19, 295-302.	2.1	0
65	NMR investigation of some conjugated co-polymers: Poly(3-alkyl-co-3,4-dialkylthiophene). Synthetic Metals, 1997, 84, 211-212.	2.1	0
66	Partitioning of resveratrol between pentane and DMSO â€“ A contribution to resveratrolâ€“biomembrane interactions. LWT - Food Science and Technology, 2015, 62, 366-370.	2.5	0