Stefan Kubik

List of Publications by Year
in descending order

90 papers	4,113 citations	101384 36 h-index	114278 63 g-index
111 all docs	111 docs citations	111 times ranked	3295 citing authors

#	Article	IF	Citations
1	When Molecules Meet in Waterâ€Recent Contributions of Supramolecular Chemistry to the Understanding of Molecular Recognition Processes in Water. ChemistryOpen, 2022, 11, e202200028.	0.9	15
2	Synthetic Receptors Based on Abiotic Cyclo(pseudo)peptides. Molecules, 2022, 27, 2821.	1.7	0
3	Characterizing the Properties of Anion-Binding Bis(cyclopeptides) with Solvent-Independent Energy Increments. Chemistry, 2022, 4, 419-430.	0.9	1
4	Selective sensing of adenosine monophosphate (AMP) over adenosine diphosphate (ADP), adenosine triphosphate (ATP), and inorganic phosphates with zinc(<scp>ii</scp>)-dipicolylamine-containing gold nanoparticles. Organic and Biomolecular Chemistry, 2021, 19, 3893-3900.	1.5	11
5	Optical detection of di- and triphosphate anions with mixed monolayer-protected gold nanoparticles containing zinc(II)â€“dipicolylamine complexes. Beilstein Journal of Organic Chemistry, 2020, 16, 2687-2700.	1.3	2
6	Selective sensing of sulfate anions in water with cyclopeptide-decorated gold nanoparticles. Chemical Communications, 2020, 56, 10457-10460.	2.2	9
7	Anion Binding of a Cyclopeptideâ€Derived Molecular Cage in Aqueous Solvent Mixtures. ChemPlusChem, 2020, 85, 963-969.	1.3	11
8	Ultrasensitive electrochemical sensing of phosphate in water mediated by a dipicolylamine-zinc(II) complex. Sensors and Actuators B: Chemical, 2020, 321, 128474.	4.0	20
9	Influence of cyclic and acyclic cucurbiturils on the degradation pathways of the chemical warfare agent VX. Organic and Biomolecular Chemistry, 2020, 18, 5218-5227.	1.5	5
10	Chirality sensing of terpenes, steroids, amino acids, peptides and drugs with acyclic cucurbit[<i>n</i>]urils and molecular tweezers. Chemical Communications, 2020, 56, 4652-4655.	2.2	26
11	Supramolecular Chemistry. , 2020, , .		6
12	Palladium(II)-Mediated Assembly of a M₂L₂ Macrocycle and M₃L₆ Cage from a Cyclopeptide-Derived Ligand. Organic Letters, 2019, 21, 6442-6446.	2.4	8
13	Electrochemical sensing of sulfate in aqueous solution with a cyclopeptide-dipyrromethene-Cu(II) or Co(II) complex attached to a gold electrode. Sensors and Actuators B: Chemical, 2019, 285, 536-545.	4.0	12
14	Functionalisable acyclic cucurbiturils. Organic Chemistry Frontiers, 2019, 6, 1555-1560.	2.3	20
15	Ion-channel mimetic sensor incorporating an anion-binding cyclopeptide designed for sulfate determination in dilute aqueous solutions. Journal of Electroanalytical Chemistry, 2018, 812, 249-257.	1.9	8
16	A neutral halogen bonding macrocyclic anion receptor based on a pseudocyclopeptide with three 5-iodo-1,2,3-triazole subunits. Chemical Communications, 2017, 53, 5095-5098.	2.2	37
17	Structural analyses of isolated cyclic tetrapeptides with varying amino acid residues. Physical Chemistry Chemical Physics, 2017, 19, 10718-10726.	1.3	8
18	Gegenmittel bei Vergiftungen mit chemischen Kampfstoffen. Nachrichten Aus Der Chemie, 2017, 65, 766-771.	0.0	1

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19	Effects of Solvent Properties on the Anion Binding of Neutral Water-Soluble Bis(cyclopeptides) in Water and Aqueous Solvent Mixtures. ACS Omega, 2017, 2, 3669-3680.	1.6	40
20	Anion Recognition in Aqueous Media by Cyclopeptides and Other Synthetic Receptors. Accounts of Chemical Research, 2017, 50, 2870-2878.	7.6	90
21	Efficient stabilisation of a dihydrogenphosphate tetramer and a dihydrogenpyrophosphate dimer byÂa cyclic pseudopeptide containing 1,4-disubstituted 1,2,3-triazole moieties. Chemical Science, 2017, 8, 6005-6013.	3.7	50
22	Oxoanion binding to a cyclic pseudopeptide containing 1,4-disubstituted 1,2,3-triazole moieties. Organic and Biomolecular Chemistry, 2017, 15, 102-113.	1.5	30
23	Amino Acid-Based Receptors. , 2017, , 293-310.		4
24	Front Cover: Pathways for the Reactions Between Neurotoxic Organophosphorus Compounds and Oximes or Hydroxamic Acids (Eur. J. Org. Chem. 35/2016). European Journal of Organic Chemistry, 2016, 2016, 5777-5777.	1.2	0
25	Transmembrane Fluoride Transport: Direct Measurement and Selectivity Studies. Journal of the American Chemical Society, 2016, 138, 16515-16522.	6.6	70
26	Pathways for the Reactions Between Neurotoxic Organophosphorus Compounds and Oximes or Hydroxamic Acids. European Journal of Organic Chemistry, 2016, 2016, 5831-5838.	1.2	8
27	Molecular tectonics: homochiral coordination polymers based on pyridyl-substituted cyclic tetrapeptides. CrystEngComm, 2016, 18, 7685-7689.	1.3	1
28	Detoxification of VX and Other Vâ€Type Nerve Agents in Water at 37â€‰Â°C and pHâ€…7.4 by Substituted Sulfonatocalix[4]arenes. Angewandte Chemie - International Edition, 2016, 55, 12668-12672.	7.2	40
29	Entgiftung von VX und anderen Vâ€Stoffen in Wasser bei 37â€‰Â°C und pHâ€…7.4 durch substituierte Sulfonatocalix[4]arene. Angewandte Chemie, 2016, 128, 12859-12863.	1.6	5
30	Editorial: Supramolecular chemistry in water. Organic and Biomolecular Chemistry, 2015, 13, 2499-2500.	1.5	29
31	Dipeptide recognition in water mediated by mixed monolayer protected gold nanoparticles. Chemical Communications, 2015, 51, 14247-14250.	2.2	31
32	Elimination kinetics and molecular reaction mechanisms of cyclosarin (GF) by an oxime substituted Î²-cyclodextrin derivative in vitro. Toxicology Letters, 2015, 239, 41-52.	0.4	12
33	Synthesis and Structural Characterization of a Cyclen-Derived Molecular Cage. Organic Letters, 2015, 17, 5850-5853.	2.4	4
34	Chapter 4. Synthetic Receptors for Small Organic and Inorganic Anions. Monographs in Supramolecular Chemistry, 2015, , 129-176.	0.2	3
35	Anion binding of a neutral bis(cyclopeptide) in waterâ€“methanol mixtures containing up to 95% water. Organic and Biomolecular Chemistry, 2014, 12, 8851-8860.	1.5	39
36	Effectiveness of a substituted Î²-cyclodextrin to prevent cyclosarin toxicity in vivo. Toxicology Letters, 2014, 226, 222-227.	0.4	23

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37	Detoxification of alkyl methylphosphonofluoridates by an oxime-substituted Î²-cyclodextrin â€“ An in vitro structureâ€“activity study. Toxicology Letters, 2014, 224, 209-214.	0.4	25
38	Tabun scavengers based on hydroxamic acid containing cyclodextrins. Chemical Communications, 2013, 49, 3425.	2.2	35
39	Selective Recognition of Sulfate Anions by a Cyclopeptide-Derived Receptor in Aqueous Phosphate Buffer. Organic Letters, 2013, 15, 6238-6241.	2.4	49
40	Detoxification of tabun at physiological pH mediated by substituted Î²-cyclodextrin and glucose derivatives containing oxime groups. Toxicology, 2012, 302, 163-171.	2.0	21
41	A minimalistic approach to binding. Nature Chemistry, 2012, 4, 697-698.	6.6	13
42	Toward Engineering Intra-Receptor Interactions into Bis(crown ethers). Natural Product Communications, 2012, 7, 1934578X1200700.	0.2	0
43	Supramolecular polymers based on dative boronâ€“nitrogen bonds. Chemical Communications, 2012, 48, 7808.	2.2	62
44	Anion-Binding Properties of a Cyclic Pseudohexapeptide Containing 1,5-Disubstituted 1,2,3-Triazole Subunits. Journal of Organic Chemistry, 2011, 76, 7084-7095.	1.7	47
45	Molecular Cages and Capsules with Functionalized Inner Surfaces. Topics in Current Chemistry, 2011, 319, 1-34.	4.0	26
46	Dynamic combinatorial development of a neutral synthetic receptor that binds sulfate with nanomolar affinity in aqueous solution. Chemical Communications, 2011, 47, 9798.	2.2	68
47	Highly efficient cyclosarin degradation mediated by a Î²-cyclodextrin derivative containing an oxime-derived substituent. Beilstein Journal of Organic Chemistry, 2011, 7, 1543-1554.	1.3	36
48	Structural Analysis of an Isolated Cyclic Tetrapeptide and its Monohydrate by Combined IR/UV Spectroscopy. ChemPhysChem, 2011, 12, 1981-1988.	1.0	36
49	Anion recognition in water. Chemical Society Reviews, 2010, 39, 3648.	18.7	469
50	A Cyclopeptideâ€Derived Molecular Cage for Sulfate Ions That Closes with a Click. Chemistry - A European Journal, 2010, 16, 7241-7255.	1.7	45
51	Side chain assisted nanotubular self-assembly of cyclic peptides at the airâ€“water interface. Soft Matter, 2010, 6, 4701.	1.2	6
52	Formation of a cyclic tetrapeptide mimic by thermal azideâ€“alkyne 1,3-dipolar cycloaddition. Chemical Communications, 2010, 46, 5307.	2.2	11
53	Synthetic Lectins. Angewandte Chemie - International Edition, 2009, 48, 1722-1725.	7.2	95
54	Amino acid containing anion receptors. Chemical Society Reviews, 2009, 38, 585-605.	18.7	244

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55	Facile One-Step Synthesis of Mono-2-(p-Tolylsulfonyl)-Î²-cyclodextrin under Aqueous Conditions. Synthesis, 2007, 2007, 348-350.	1.2	5
56	Influence of linker structure on the anion binding affinity of biscyclopeptides. New Journal of Chemistry, 2007, 31, 2095.	1.4	41
57	Selective Sensing of Sulfate in Aqueous Solution Using a Fluorescent Bis(cyclopeptide). Organic Letters, 2007, 9, 5271-5274.	2.4	52
58	Noncovalent Interactions within a Synthetic Receptor Can Reinforce Guest Binding. Journal of the American Chemical Society, 2006, 128, 11206-11210.	6.6	150
59	An Enantioselective Fluorescence Sensor for Glucose Based on a Cyclic Tetrapeptide Containing Two Boronic Acid Binding Sites. European Journal of Organic Chemistry, 2006, 2006, 4177-4186.	1.2	42
60	Optimization of the binding properties of a synthetic anion receptor using rational and combinatorial strategies. Biosensors and Bioelectronics, 2005, 20, 2364-2375.	5.3	36
61	Cyclopeptides as Macrocyclic Host Molecules for Charged Guests. ChemInform, 2005, 36, no.	0.1	0
62	Recognition of Anions by Synthetic Receptors in Aqueous Solution. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2005, 52, 137-187.	1.6	215
63	Matched/Mismatched Interaction of a Cyclic Hexapeptide with Ion Pairs Containing Chiral Cations and Chiral Anions. Journal of Organic Chemistry, 2005, 70, 4498-4501.	1.7	31
64	X-ray reflectivity study of cyclic peptide monolayers at the air-water interface. Israel Journal of Chemistry, 2005, 45, 345-352.	1.0	2
65	Dynamic Combinatorial Optimization of a Neutral Receptor That Binds Inorganic Anions in Aqueous Solution. Journal of the American Chemical Society, 2003, 125, 7804-7805.	6.6	186
66	Enantioselective recognition of a chiral quaternary ammonium ion by C3 symmetric cyclic hexapeptides. Chemical Communications, 2003, , 1252-1253.	2.2	32
67	Conformation and anion binding properties of cyclic hexapeptides containing L-4-hydroxyproline and 6-aminopicolinic acid subunits. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5127-5132.	3.3	80
68	A Molecular Oyster: A Neutral Anion Receptor Containing Two Cyclopeptide Subunits with a Remarkable Sulfate Affinity in Aqueous Solution. Journal of the American Chemical Society, 2002, 124, 12752-12760.	6.6	176
69	High-Performance Fibers from Spider Silk. Angewandte Chemie - International Edition, 2002, 41, 2721-2723.	7.2	48
70	Cyclic Hexapeptides with Free Carboxylate Groups as New Receptors for Monosaccharides. Organic Letters, 2001, 3, 2637-2640.	2.4	65
71	A new cyclic tetrapeptide composed of alternating l -proline and 3-aminobenzoic acid subunits. Tetrahedron Letters, 2001, 42, 7555-7558.	0.7	30
72	Complexation of arginine with a cyclopeptide in polar solvents and water. Journal of Supramolecular Chemistry, 2001, 1, 293-297.	0.4	8

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73	Receptor properties of cyclic peptides composed of alternating natural amino acids and 3-aminobenzoic acid derivatives. Materials Science and Engineering C, 2001, 18, 125-133.	3.8	8
74	Fine Tuning of the Cation Affinity of Artificial Receptors Based on Cyclic Peptides by Intramolecular Conformational Control. European Journal of Organic Chemistry, 2001, 2001, 311-322.	1.2	39
75	A Cyclic Hexapeptide ContainingL-Proline and 6-Aminopicolinic Acid Subunits Binds Anions in Water. Angewandte Chemie - International Edition, 2001, 40, 2648-2651.	7.2	131
76	A Cyclic Hexapeptide Containing L-Proline and 6-Aminopicolinic Acid Subunits Binds Anions in Water This work was sponsored by the Deutsche Forschungsgemeinschaft. S.K. thanks D. Kubik for her committed help with the synthetic work and Prof. G. Wulff for his support.. Angewandte Chemie - International Edition, 2001, 40, 2648-2651.	7.2	7
77	Intramolecular conformational control in a cyclic peptide composed of alternating l-proline and substituted 3-aminobenzoic acid subunits. Chemical Communications, 2000, , 633-634.	2.2	33
78	Large Increase in Cation Binding Affinity of Artificial Cyclopeptide Receptors by an Allosteric Effect. Journal of the American Chemical Society, 1999, 121, 5846-5855.	6.6	142
79	A New Cyclic Pseudopeptide Composed of (l)-Proline and 3-Aminobenzoic Acid Subunits as a Ditopic Receptor for the Simultaneous Complexation of Cations and Anions. Journal of Organic Chemistry, 1999, 64, 9475-9486.	1.7	122
80	Synthesis and coupling reactions of alpha,alpha-dialkylated amino acids with nucleobase side chains.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 12013-12016.	3.3	4
81	PseudokugelfÃ¶rmige WirtmolekÃ¼le: Synthese, Dimerisierung und â€žKeimbildungseffekteâ€¡. Angewandte Chemie, 1995, 107, 2031-2033.	1.6	12
82	Pseudo-Spherical Host Molecules: Synthesis, Dimerization, and Nucleation Effects. Angewandte Chemie International Edition in English, 1995, 34, 1885-1887.	4.4	28
83	Synthesis and Self-Assembly of Pseudo-Spherical Homo- and Heterodimeric Capsules. Journal of the American Chemical Society, 1995, 117, 12733-12745.	6.6	103
84	Inclusion compounds of derivatized amyloses. Macromolecular Symposia, 1995, 99, 93-102.	0.4	18
85	Synthesis of Î±,Î±-dialkylated amino acids with adenine or thymine residues a new mild and facile hydrolysis of hydantoins. Tetrahedron Letters, 1994, 35, 6635-6638.	0.7	45
86	Chemical synthesis and complexing behaviour of branched cyclodextrins composed of an amylose and a Î²-cyclodextrin residue. Macromolecular Chemistry and Physics, 1994, 195, 1719-1732.	1.1	4
87	Characterization and Chemical Modification of Amylose Complexes. Starch/Staerke, 1993, 45, 220-225.	1.1	33
88	Circular dichroism and ultraviolet spectroscopyof complexes of amylose. Carbohydrate Research, 1992, 237, 1-10.	1.1	47
89	Title is missing!. Die Makromolekulare Chemie, 1992, 193, 1071-1080.	1.1	58
90	Molecular inclusion within polymeric carbohydrate matrices. , 0, , 169-187.		5