

Rita De Zorzi

List of Publications by Year in descending order

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56
papers

2,464
citations

236612

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57
all docs

57
docs citations

57
times ranked

4086
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Assembly of Unprotected Dipeptides into Hydrogels: Water Channels Make the Difference. <i>ChemBioChem</i> , 2022, 23, e202100518.	1.3	18
2	Single-atom substitution enables supramolecular diversity from dipeptide building blocks. <i>Soft Matter</i> , 2022, 18, 2129-2136.	1.2	6
3	Integrative Study of the Structural and Dynamical Properties of a KirBac3.1 Mutant: Functional Implication of a Highly Conserved Tryptophan in the Transmembrane Domain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 335.	1.8	0
4	Nanoscale Assembly of Functional Peptides with Divergent Programming Elements. <i>ACS Nano</i> , 2021, 15, 3015-3025.	7.3	50
5	Characterization of the multidrug efflux transporter <i>StyMdtM</i> from <i>Salmonella enterica</i> serovar Typhi. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1193-1204.	1.5	2
6	Unexpected Gating Behaviour of an Engineered Potassium Channel Kir. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 691901.	1.6	3
7	Hierarchical self-assembly and controlled disassembly of a cavitand-based host-guest supramolecular polymer. <i>Polymer Chemistry</i> , 2021, 12, 389-401.	1.9	3
8	Self-Assembly of an Amino Acid Derivative into an Antimicrobial Hydrogel Biomaterial. <i>Chemistry - A European Journal</i> , 2020, 26, 1880-1886.	1.7	31
9	Self-Assembling l-d-l-Tripeptides Dance the Twist. <i>Synlett</i> , 2020, 31, 434-438.	1.0	7
10	New Structural insights into Kir channel gating from molecular simulations, HDX-MS and functional studies. <i>Scientific Reports</i> , 2020, 10, 8392.	1.6	10
11	Heterochirality and Halogenation Control Phe-Phe Hierarchical Assembly. <i>ACS Nano</i> , 2020, 14, 16951-16961.	7.3	67
12	Supramolecular hydrogels from unprotected dipeptides: a comparative study on stereoisomers and structural isomers. <i>Soft Matter</i> , 2020, 16, 10151-10157.	1.2	32
13	(R)-10-Hydroxystearic Acid: Crystals vs. Organogel. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8124.	1.8	5
14	Neutralization of Reactive Oxygen Species at Dinuclear Cu(II)-Cores: Tuning the Antioxidant Manifold in Water by Ligand Design. <i>ACS Catalysis</i> , 2020, 10, 7295-7306.	5.5	8
15	Bioadhesive supramolecular hydrogel from unprotected, short d,l-peptides with Phe-Phe and Leu-Asp-Val motifs. <i>Chemical Communications</i> , 2020, 56, 3015-3018.	2.2	33
16	AMPA receptor GluA2 subunit defects are a cause of neurodevelopmental disorders. <i>Nature Communications</i> , 2019, 10, 3094.	5.8	150
17	Biallelic mutations in neurofascin cause neurodevelopmental impairment and peripheral demyelination. <i>Brain</i> , 2019, 142, 2948-2964.	3.7	43
18	X-Ray Crystal Structures and Organogelator Properties of (R)-9-Hydroxystearic Acid. <i>Molecules</i> , 2019, 24, 2854.	1.7	3

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19	Microwave-Assisted Cyclization of Unprotected Dipeptides in Water to 2,5-Piperazinediones and Self-Assembly Study of Products and Reagents. <i>Synthesis</i> , 2019, 51, 2829-2838.	1.2	12
20	Mutations in the Neuronal Vesicular SNARE VAMP2 Affect Synaptic Membrane Fusion and Impair Human Neurodevelopment. <i>American Journal of Human Genetics</i> , 2019, 104, 721-730.	2.6	88
21	Templating Porphyrin Anisotropy via Magnetically Aligned Carbon Nanotubes. <i>ChemPlusChem</i> , 2019, 84, 1270-1278.	1.3	9
22	A Triazolotriazine-Based Dual GSK-3 β /CK-1 γ Ligand as a Potential Neuroprotective Agent Presenting Two Different Mechanisms of Enzymatic Inhibition. <i>ChemMedChem</i> , 2019, 14, 310-314.	1.6	22
23	Chirality Effects on Peptide Self-Assembly Unraveled from Molecules to Materials. <i>CheM</i> , 2018, 4, 1862-1876.	5.8	151
24	Myelography Iodinated Contrast Media. 2. Conformational Versatility of Iopamidol in the Solid State. <i>Molecular Pharmaceutics</i> , 2017, 14, 468-477.	2.3	4
25	Enantiospecific recognition of 2-butanol by an inherently chiral cavitand in the solid state. <i>CrystEngComm</i> , 2017, 19, 3355-3361.	1.3	2
26	The Intricate Structural Chemistry of M ^{II} ₂ L _n -Type Assemblies. <i>Journal of the American Chemical Society</i> , 2017, 139, 8371-8381.	6.6	69
27	Role of Pore-Lining Residues in Defining the Rate of Water Conduction by Aquaporin-0. <i>Biophysical Journal</i> , 2017, 112, 953-965.	0.2	14
28	Hydrogen Evolution by Fe ^{III} Molecular Electrocatalysts Interconverting between Mono and Dinuclear Structures in Aqueous Phase. <i>ChemSusChem</i> , 2017, 10, 4430-4435.	3.6	9
29	Developing HIV-1 Protease Inhibitors through Stereospecific Reactions in Protein Crystals. <i>Molecules</i> , 2016, 21, 1458.	1.7	0
30	Large heterometallic coordination cages with gyrobifastigium-like geometry. <i>Chemical Communications</i> , 2016, 52, 11243-11246.	2.2	32
31	Interactions of a water-soluble calix[4]arene with spermine: solution and solid-state characterisation. <i>Supramolecular Chemistry</i> , 2016, 28, 499-505.	1.5	20
32	Single-particle electron microscopy in the study of membrane protein structure. <i>Microscopy (Oxford)</i> , 2016, 2016, 000-000.	0.7	34
33	A general exit strategy of monoheme cytochromes <i>c</i> and <i>c</i> ₂ in electron transfer complexes?. <i>IUBMB Life</i> , 2015, 67, 694-700.	1.5	1
34	Characterization of putative multidrug resistance transporters of the major facilitator-superfamily expressed in <i>Salmonella Typhi</i> . <i>Journal of Infection and Chemotherapy</i> , 2015, 21, 357-362.	0.8	17
35	Highly permeable artificial water channels that can self-assemble into two-dimensional arrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9810-9815.	3.3	152
36	Control of KirBac3.1 Potassium Channel Gating at the Interface between Cytoplasmic Domains. <i>Journal of Biological Chemistry</i> , 2014, 289, 143-151.	1.6	20

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37	Selectivity assessment in host-guest complexes from single-crystal X-ray diffraction data: the cavitand-alcohol case. <i>CrystEngComm</i> , 2014, 16, 10987-10996.	1.3	5
38	Nitrate as a probe of cytochrome c surface: Crystallographic identification of crucial "hot spots" for protein-protein recognition. <i>Journal of Inorganic Biochemistry</i> , 2014, 135, 58-67.	1.5	11
39	Structure and Dynamics of AMPA Receptor GluA2 in Resting, Pre-Open, and Desensitized States. <i>Cell</i> , 2014, 158, 778-792.	13.5	186
40	Growth of Large and Highly Ordered 2D Crystals of a K ⁺ Channel, Structural Role of Lipidic Environment. <i>Biophysical Journal</i> , 2013, 105, 398-408.	0.2	8
41	Structure of a KirBac potassium channel with an open bundle crossing indicates a mechanism of channel gating. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 158-163.	3.6	92
42	New Multicomponent Porous Architecture of Self-Assembled Porphyrins/Calixarenes Driven by Nickel Ions. <i>Crystal Growth and Design</i> , 2012, 12, 5111-5117.	1.4	25
43	Molecular Recognition with Ditopic Cavitand Re Complexes. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2629-2642.	1.2	12
44	Highly Selective Chemical Vapor Sensing by Molecular Recognition: Specific Detection of C ₁ -C ₄ Alcohols with a Fluorescent Phosphonate Cavitand. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4654-4657.	7.2	54
45	Host-Guest-Driven Copolymerization of Tetraphosphonate Cavitands. <i>Chemistry - A European Journal</i> , 2010, 16, 14313-14321.	1.7	44
46	Calix[5]crown-3-based heteroditopic receptors for n-butylammonium halides. <i>Tetrahedron</i> , 2010, 66, 4987-4993.	1.0	27
47	A bifunctionalized porous material containing discrete assemblies of copper-porphyrins and calixarenes metallated by ion diffusion. <i>CrystEngComm</i> , 2010, 12, 4056.	1.3	13
48	Nanoporous Crystals of Calixarene/Porphyrin Supramolecular Complex Functionalized by Diffusion and Coordination of Metal Ions. <i>Journal of the American Chemical Society</i> , 2009, 131, 2487-2489.	6.6	62
49	Photoinduced structural modifications in multicomponent architectures containing azobenzene moieties as photoswitchable cores. <i>Journal of Materials Chemistry</i> , 2009, 19, 4715.	6.7	47
50	Synthesis, photophysical, electrochemical, and electrochemiluminescent properties of 5,15-bis(9-anthracenyl)porphyrin derivatives. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2402.	1.5	27
51	Polyoxometalate Embedding of a Tetraruthenium(IV)-oxo-core by Template-Directed Metalation of [Si ₁₀ O ₃₆] ⁸⁻ : A Totally Inorganic Oxygen-Evolving Catalyst. <i>Journal of the American Chemical Society</i> , 2008, 130, 5006-5007.	6.6	571
52	X-ray studies on ternary complexes of maltodextrin phosphorylase. <i>Archives of Biochemistry and Biophysics</i> , 2008, 471, 11-19.	1.4	8
53	Stereoselective Iodocyclization of (S)-Allylalanine Derivatives: β -Lactone vs Cyclic Carbamate Formation. <i>Organic Letters</i> , 2007, 9, 2365-2368.	2.4	25
54	Structure of a 4:1:4 Supramolecular Assembly of Neutral TiiiPO Cavitands and Tetrakis(N-methylpyridinium)porphyrin Iodide. <i>Journal of Organic Chemistry</i> , 2007, 72, 4528-4531.	1.7	26

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55	Inclusion of methano[60]fullerene derivatives in cavitand-based coordination cages. <i>Tetrahedron</i> , 2006, 62, 2008-2015.	1.0	41
56	Noncovalent Synthesis in Aqueous Solution and Spectroscopic Characterization of Multi-Porphyrin Complexes. <i>Chemistry - A European Journal</i> , 2006, 12, 2722-2729.	1.7	53