

Christopher J Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,311
citations

331670

21
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

4087
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendron-Mediated Self-Assembly, Disassembly, and Self-Organization of Complex Systems. <i>Chemical Reviews</i> , 2009, 109, 6275-6540.	47.7	1,131
2	Self-Assembly of Janus Dendrimers into Uniform Dendrimersomes and Other Complex Architectures. <i>Science</i> , 2010, 328, 1009-1014.	12.6	654
3	The disproportionation of Cu(I)X mediated by ligand and solvent into Cu(0) and Cu(II)X ₂ and its implications for SET-MLRP. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5606-5628.	2.3	188
4	Predicting the Structure of Supramolecular Dendrimers via the Analysis of Libraries of AB ₃ and Constitutional Isomeric AB ₂ Biphenylpropyl Ether Self-Assembling Dendrons. <i>Journal of the American Chemical Society</i> , 2009, 131, 17500-17521.	13.7	165
5	Neopentylglycolborylation of Aryl Mesylates and Tosylates Catalyzed by Ni-Based Mixed-Ligand Systems Activated with Zn. <i>Journal of the American Chemical Society</i> , 2010, 132, 1800-1801.	13.7	148
6	Clinical Evidence for Use of a Noninvasive Biosensor for Tear Glucose as an Alternative to Painful Finger-Prick for Diabetes Management Utilizing a Biopolymer Coating. <i>Biomacromolecules</i> , 2018, 19, 4504-4511.	5.4	105
7	Two-Step, One-Pot Ni-Catalyzed Neopentylglycolborylation and Complementary Pd/Ni-Catalyzed Cross-Coupling with Aryl Halides, Mesylates, and Tosylates. <i>Organic Letters</i> , 2008, 10, 4879-4882.	4.6	95
8	Therapeutic nanoworms: towards novel synthetic dendritic cells for immunotherapy. <i>Chemical Science</i> , 2013, 4, 4168.	7.4	91
9	Neopentylglycolborylation of ortho-Substituted Aryl Halides Catalyzed by NiCl ₂ -Based Mixed-Ligand Systems. <i>Journal of Organic Chemistry</i> , 2010, 75, 5438-5452.	3.2	71
10	Exploring functional pairing between surface glycoconjugates and human galectins using programmable glycodendrimersomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2509-E2518.	7.1	71
11	Neopentylglycolborylation of Aryl Chlorides Catalyzed by the Mixed Ligand System NiCl ₂ (dppp)/dppf. <i>Organic Letters</i> , 2009, 11, 4974-4977.	4.6	70
12	Self-Assembly of Hybrid Dendrons into Doubly Segregated Supramolecular Polyhedral Columns and Vesicles. <i>Journal of the American Chemical Society</i> , 2010, 132, 11288-11305.	13.7	70
13	Polymer Brush-Functionalized Chitosan Hydrogels as Antifouling Implant Coatings. <i>Biomacromolecules</i> , 2017, 18, 1983-1992.	5.4	61
14	Polyisocyanopeptide hydrogels: A novel thermo-responsive hydrogel supporting pre-vascularization and the development of organotypic structures. <i>Acta Biomaterialia</i> , 2018, 70, 129-139.	8.3	53
15	Encoding biological recognition in a bicomponent cell-membrane mimic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5376-5382.	7.1	51
16	Synthesis and structural characterisation of novel bimetallic dipyrromethene complexes: rotational locking of the 5-aryl group. <i>Chemical Communications</i> , 2004, , 1328.	4.1	49
17	Encapsulation of hydrophobic components in dendrimersomes and decoration of their surface with proteins and nucleic acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15378-15385.	7.1	41
18	3D Printing of Thermo-responsive Polyisocyanide (PIC) Hydrogels as Bioink and Fugitive Material for Tissue Engineering. <i>Polymers</i> , 2018, 10, 555.	4.5	38

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19	Screening Libraries of Amphiphilic Janus Dendrimers Based on Natural Phenolic Acids to Discover Monodisperse Unilamellar Dendrimersomes. <i>Biomacromolecules</i> , 2019, 20, 712-727.	5.4	36
20	Sensor Devices Inspired by the Five Senses: A Review. <i>Electroanalysis</i> , 2016, 28, 1201-1241.	2.9	33
21	Disassembly via an environmentally friendly and efficient fluoruous phase constructed with dendritic architectures. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2498-2508.	2.3	29
22	Performance of the Prototype NovioSense Noninvasive Biosensor for Tear Glucose in Type 1 Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2021, 15, 1320-1325.	2.2	17
23	Mesogenic dipyrins building blocks for the fabrication of fluorescent and metal-containing materials. <i>Chemical Communications</i> , 2008, , 4582.	4.1	16
24	SET-LRP in biphasic mixtures of fluorinated alcohols with water. <i>Polymer Chemistry</i> , 2018, 9, 2313-2327.	3.9	16
25	The design and investigation of porphyrins with liquid crystal properties at room temperature. <i>Journal of Materials Chemistry C</i> , 2013, 1, 144-150.	5.5	12