

Julian M W Chan

List of Publications by Year in descending order

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41
papers

2,268
citations

186265
28
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276875
41
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42
all docs

42
docs citations

42
times ranked

3754
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial hydrogels: A new weapon in the arsenal against multidrug-resistant infections. <i>Advanced Drug Delivery Reviews</i> , 2014, 78, 46-62.	13.7	233
2	Effects of Bisphosphonates on the Growth of <i>Entamoeba histolytica</i> and <i>Plasmodium</i> Species in Vitro and in Vivo. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 175-187.	6.4	155
3	Studies on the Vanadium-Catalyzed Nonoxidative Depolymerization of <i>Miscanthus giganteus</i> -Derived Lignin. <i>ACS Catalysis</i> , 2013, 3, 1369-1377.	11.2	150
4	Quantitative Structure-Activity Relationships for CD4^+ T Cell Activation by Bisphosphonates. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 375-384.	6.4	114
5	Role of non-covalent and covalent interactions in cargo loading capacity and stability of polymeric micelles. <i>Journal of Controlled Release</i> , 2014, 193, 9-26.	9.9	109
6	Bisphosphonate Inhibitors of <i>Toxoplasma gondii</i> Growth: in vitro , QSAR, and <i>In Vivo</i> Investigations. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3130-3140.	6.4	94
7	Broad-Spectrum Antimicrobial Polycarbonate Hydrogels with Fast Degradability. <i>Biomacromolecules</i> , 2015, 16, 1169-1178.	5.4	90
8	Highly potent antimicrobial polyionenes with rapid killing kinetics, skin biocompatibility and <i>in vivo</i> bactericidal activity. <i>Biomaterials</i> , 2017, 127, 36-48.	11.4	81
9	Inhibition of <i>Trypanosoma cruzi</i> Hexokinase by Bisphosphonates. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 215-223.	6.4	79
10	Synthesis of J-Aggregating Dibenz[<i>a,j</i>]anthracene-Based Macrocycles. <i>Journal of the American Chemical Society</i> , 2009, 131, 5659-5666.	13.7	79
11	Pyridinium-1-yl Bisphosphonates Are Potent Inhibitors of Farnesyl Diphosphate Synthase and Bone Resorption. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 2957-2963.	6.4	77
12	Organic Acid-Catalyzed Polyurethane Formation via a Dual-Activated Mechanism: Unexpected Preference of N-Activation over O-Activation of Isocyanates. <i>Journal of the American Chemical Society</i> , 2013, 135, 16235-16241.	13.7	76
13	Accessing New Materials through Polymerization and Modification of a Polycarbonate with a Pendant Activated Ester. <i>Macromolecules</i> , 2013, 46, 1283-1290.	4.8	74
14	Hydrophilic Polycarbonates: Promising Degradable Alternatives to Poly(ethylene glycol)-Based Stealth Materials. <i>Macromolecules</i> , 2015, 48, 1673-1678.	4.8	64
15	Bisphosphonate Inhibition of the Exopolyphosphatase Activity of the <i>Trypanosoma brucei</i> Soluble Vacuolar Pyrophosphatase. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 6128-6139.	6.4	59
16	Polycarbonate-Based Brush Polymers with Detachable Disulfide-Linked Side Chains. <i>ACS Macro Letters</i> , 2013, 2, 332-336.	4.8	48
17	Homogeneous isocyanate- and catalyst-free synthesis of polyurethanes in aqueous media. <i>Green Chemistry</i> , 2013, 15, 1121.	9.0	44
18	Pulling with the Pentafluorosulfanyl Acceptor in Push-Pull Dyes. <i>Journal of Organic Chemistry</i> , 2017, 82, 11008-11020.	3.2	43

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19	Pentafluorosulfanyl group: an emerging tool in optoelectronic materials. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12822-12834.	5.5	40
20	Tandem cycloisomerization/Suzuki coupling of arylethynyl MIDA boronates. <i>Tetrahedron</i> , 2011, 67, 4306-4312.	1.9	39
21	Using the Negative Hyperconjugation Effect of Pentafluorosulfanyl Acceptors to Enhance Two-Photon Absorption in Push-Pull Chromophores. <i>Chemistry of Materials</i> , 2018, 30, 7055-7066.	6.7	39
22	Chemically modifiable N-heterocycle-functionalized polycarbonates as a platform for diverse smart biomimetic nanomaterials. <i>Chemical Science</i> , 2014, 5, 3294-3300.	7.4	38
23	Organocatalytic Anticancer Drug Loading of Degradable Polymeric Mixed Micelles via a Biomimetic Mechanism. <i>Macromolecules</i> , 2016, 49, 2013-2021.	4.8	38
24	Highly tunable polyurethanes: organocatalyzed polyaddition and subsequent post-polymerization modification of pentafluorophenyl ester sidechains. <i>Polymer Chemistry</i> , 2014, 5, 3547-3550.	3.9	37
25	Thermoresponsive Random Poly(ether urethanes) with Tailorable LCSTs for Anticancer Drug Delivery. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1761-1767.	3.9	37
26	Self-Assembled, Biodegradable Magnetic Resonance Imaging Agents: Organic Radical-Functionalized Diblock Copolymers. <i>ACS Macro Letters</i> , 2017, 6, 176-180.	4.8	35
27	Intramolecular charge transfer and solvation dynamics of push-pull dyes with different π -conjugated linkers. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17323-17331.	2.8	30
28	Tetra- <i>n</i> -butylammonium Fluoride as an Efficient Transesterification Catalyst for Functionalizing Cyclic Carbonates and Aliphatic Polycarbonates. <i>ACS Macro Letters</i> , 2013, 2, 860-864.	4.8	29
29	Overcoming Multidrug Resistance in Microbials Using Nanostructures Self-Assembled from Cationic Bent-Core Oligomers. <i>Small</i> , 2014, 10, 4130-4135.	10.0	28
30	Organocatalytic Ring-Opening Polymerization of Trimethylene Carbonate To Yield a Biodegradable Polycarbonate. <i>Journal of Chemical Education</i> , 2015, 92, 708-713.	2.3	27
31	Bisphosphonate inhibitors of ATP-mediated HIV-1 reverse transcriptase catalyzed excision of chain-terminating 3'-azido, 3'-deoxythymidine: A QSAR investigation. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8959-8967.	3.0	22
32	Sultam-Based Hetero[5]helicene: Synthesis, Structure, and Crystallization-Induced Emission Enhancement. <i>ACS Omega</i> , 2016, 1, 1336-1342.	3.5	21
33	Reversibly thermochromic bismuth-organic materials with tunable optical gaps. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10007-10015.	5.5	21
34	Pentafluorosulfanylated polymers as electrets in nonvolatile organic field-effect transistor memory devices. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7865-7871.	5.5	19
35	Polyurethane-coated silica particles with broad-spectrum antibacterial properties. <i>Polymer Chemistry</i> , 2015, 6, 2011-2022.	3.9	18
36	Synthesis of arylethynylated cyclohexa- <i>m</i> -phenylenes via sixfold Suzuki coupling. <i>Tetrahedron Letters</i> , 2008, 49, 4912-4914.	1.4	16

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37	Design and synthesis of biodegradable grafted cationic polycarbonates as broad spectrum antimicrobial agents. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1029-1035.	2.3	16
38	Direct Tracking Excited-State Intramolecular Charge Redistribution of Acceptor–Donor–Acceptor Molecule by Means of Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4456-4464.	2.6	15
39	Synthesis of Stair-Stepped Polymers Containing Dibenz[<i>a,h</i>]anthracene Subunits. <i>Macromolecules</i> , 2010, 43, 2789-2793.	4.8	13
40	Symmetrical and unsymmetrical fluorine-rich ullazines <i>via</i> controlled cycloaromatizations. <i>Organic Chemistry Frontiers</i> , 2020, 7, 787-795.	4.5	11
41	Water-Dispersible Bismuth–Organic Materials with Computed Tomography Contrast Properties. <i>ACS Applied Bio Materials</i> , 2018, 1, 1918-1926.	4.6	10