Jon R Parquette

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4695099/publications.pdf

Version: 2024-02-01

45 papers	2,007 citations	304743 22 h-index	233421 45 g-index
48 all docs	48 docs citations	48 times ranked	2209 citing authors

#	Article	IF	Citations
1	Self-Assembly of 1-D n-Type Nanostructures Based on Naphthalene Diimide-Appended Dipeptides. Journal of the American Chemical Society, 2009, 131, 16374-16376.	13.7	215
2	Amphiphilic Selfâ€Assembly of an nâ€Type Nanotube. Angewandte Chemie - International Edition, 2010, 49, 7688-7691.	13.8	196
3	A Ï€-conjugated hydrogel based on an Fmoc-dipeptide naphthalene diimide semiconductor. Chemical Communications, 2010, 46, 4285.	4.1	186
4	Regiodivergent Ring Opening of Chiral Aziridines. Science, 2009, 326, 1662-1662.	12.6	120
5	Enantioselective Desymmetrization of mesoâ€Aziridines with TMSN₃ or TMSCN Catalyzed by Discrete Yttrium Complexes. Angewandte Chemie - International Edition, 2009, 48, 1126-1129.	13.8	110
6	Self-Assembly of a Donorâ€“Acceptor Nanotube. A Strategy To Create Bicontinuous Arrays. Journal of the American Chemical Society, 2011, 133, 19125-19130.	13.7	93
7	Folding Dendrons:Â The Development of Solvent-, Temperature-, and Generation-Dependent Chiral Conformational Order in Intramolecularly Hydrogen-Bonded Dendrons. Journal of the American Chemical Society, 2000, 122, 10298-10307.	13.7	85
8	The Selfâ€Assembly of Anticancer Camptothecinâ€“Dipeptide Nanotubes: A Minimalistic and High Drug Loading Approach to Increased Efficacy. Chemistry - A European Journal, 2015, 21, 101-105.	3.3	83
9	Aqueous Selfâ€Assembly of <scp>L</scp>â€Lysineâ€Based Amphiphiles into 1D nâ€Type Nanotubes. Chemistry - A European Journal, 2011, 17, 12882-12885.	3.3	80
10	Bimetallic catalysis in the highly enantioselective ringâ€“opening reactions of aziridines. Chemical Science, 2014, 5, 1102-1117.	7.4	68
11	A model for the controlled assembly of semiconductor peptides. Nanoscale, 2012, 4, 6940.	5.6	65
12	Dendrimer Folding in Aqueous Media: An Example of Solventâ€Mediated Chirality Switching. Angewandte Chemie - International Edition, 2005, 44, 1053-1057.	13.8	64
13	A self-assembled nanotube for the direct aldol reaction in water. Chemical Communications, 2015, 51, 15653-15656.	4.1	63
14	Self-assembly of a 5-fluorouracil-dipeptide hydrogel. Chemical Communications, 2016, 52, 5254-5257.	4.1	60
15	Photo-crosslinking of a self-assembled coumarin-dipeptide hydrogel. New Journal of Chemistry, 2015, 39, 3225-3228.	2.8	56
16	Synthesis and Structure of Intramolecularly Hydrogen Bonded Dendrons. Organic Letters, 2000, 2, 239-242.	4.6	48
17	Coupled Conformational Equilibria in Î²-Sheet Peptideâ^'Dendron Conjugates. Journal of the American Chemical Society, 2007, 129, 1884-1885.	13.7	34
18	Effect of Terminal Group Sterics and Dendron Packing on Chirality Transfer from the Central Core of a Dendrimer. Organic Letters, 2001, 3, 3129-3132.	4.6	27

#	Article	IF	Citations
19	Synthesis and Chiroptical Properties of Dendrimers Elaborated from a Chiral, Nonracemic Central Core. Journal of Organic Chemistry, 1998, 63, 9399-9405.	3.2	26
20	The self-assembly of a camptothecin-lysine nanotube. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2834-2838.	2.2	24
21	Synthetic CO2-fixation enzyme cascades immobilized on self-assembled nanostructures that enhance CO2/O2 selectivity of RubisCO. Biotechnology for Biofuels, 2017, 10, 175.	6.2	24
22	A Structural Model for a Self-Assembled Nanotube Provides Insight into Its Exciton Dynamics. Journal of Physical Chemistry C, 2015, 119, 13948-13956.	3.1	21
23	Light-driven dissipative self-assembly of a peptide hydrogel. Chemical Communications, 2021, 57, 13776-13779.	4.1	21
24	Threading carbon nanotubes through a self-assembled nanotube. Chemical Science, 2019, 10, 7868-7877.	7.4	17
25	pH-Controlled Chiral Packing and Self-Assembly of a Coumarin Tetrapeptide. Langmuir, 2019, 35, 12460-12468.	3.5	17
26	Synthesis of Unsymmetrically Branched Dendrimeric Wedges up to the Fourth Generation Based on 2,3-Dihydroxybenzyl Alcohol. Journal of Organic Chemistry, 1999, 64, 3796-3797.	3.2	13
27	Dendrimer Folding in Aqueous Media: An Example of Solventâ€Mediated Chirality Switching. Angewandte Chemie, 2005, 117, 1077-1081.	2.0	13
28	Protonâ€Coupled Selfâ€Assembly of a Porphyrinâ€Naphthalenediimide Dyad. ChemPhysChem, 2013, 14, 1609-1617.	2.1	13
29	Controlling the length of self-assembled nanotubes by sonication followed by polymer wrapping. Chemical Communications, 2017, 53, 12806-12809.	4.1	10
30	The impact of metal coordination on the assembly of bis(indolyl)methane-naphthalene-diimide amphiphiles. Dalton Transactions, 2020, 49, 13685-13692.	3.3	10
31	Self-assembly of a robust, reduction-sensitive camptothecin nanotube. Chemical Communications, 2020, 56, 10337-10340.	4.1	9
32	Dendritic Amplification of Stereoselectivity of a Prolinamideâ€Catalyzed Direct Aldol Reaction. Israel Journal of Chemistry, 2009, 49, 119-127.	2.3	8
33	Amplification of local chirality within a folded dendrimer. An intramolecular â€˜sergeants and soldiersâ€™ experiment. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 1469-1487.	2.1	8
34	Right- and Left-Handed Helices, What is in between? Interconversion of Helical Structures of Alternating Pyridinedicarboxamide/m-(phenylazo)azobenzene Oligomers. Journal of Chemical Theory and Computation, 2012, 8, 5137-5149.	5.3	8
35	Oligothiophene compounds inhibit the membrane fusion between H5N1 avian influenza virus and the endosome of host cell. European Journal of Medicinal Chemistry, 2017, 130, 185-194.	5.5	7
36	Strategy for the Co-Assembly of Co-Axial Nanotubeâ€“Polymer Hybrids. Langmuir, 2017, 33, 9129-9136.	3.5	7

#	Article	IF	Citations
37	Enhanced Stability of Peptide Nanofibers Coated with a Conformal Layer of Polydopamine. Chemistry - A European Journal, 2020, 26, 8572-8578.	3.3	7
38	1D Self-assembly of Terthiophene (3T)â€“Naphthalenediimide (NDI) Dyad. Chemistry Letters, 2014, 43, 1634-1636.	1.3	6
39	Carbon Footprint of Biomimetic Carbon Fixation by Immobilizing Natureâ€™s CO₂-sequestering Enzyme and Regenerating Its Energy Carrier. ACS Sustainable Chemistry and Engineering, 2020, 8, 16833-16841.	6.7	6
40	Amino acid-based compound activates atypical PKC and leptin receptor pathways to improve glycemia and anxiety like behavior in diabetic mice. Biomaterials, 2020, 239, 119839.	11.4	6
41	Self-assembly of a 5-fluorouracil and camptothecin dual drug dipeptide conjugate. Organic and Biomolecular Chemistry, 2022, 20, 5254-5258.	2.8	5
42	Inside Cover: Amphiphilic Selfâ€Assembly of an nâ€Type Nanotube (Angew. Chem. Int. Ed. 42/2010). Angewandte Chemie - International Edition, 2010, 49, 7598-7598.	13.8	4
43	Light-controlled self-assembly of a dithienylethene bolaamphiphile in water. Dalton Transactions, 2020, 49, 8846-8849.	3.3	2
44	Co-assembly of a multicomponent network of nanofiber-wrapped nanotubes. Nanoscale, 2022, 14, 4531-4537.	5.6	1
45	Amino Acid Nanofibers Improve Glycemia and Confer Cognitive Therapeutic Efficacy to Bound Insulin. Pharmaceutics, 2022, 14, 81.	4.5	0