Kyle N Plunkett

List of Publications by Year
in descending order

37 papers	1,936 citations	257101 24 h-index	301761 39 g-index
59 all docs	59 docs citations	59 times ranked	2889 citing authors

#	Article	IF	Citations
1	Electron Acceptors Based on Cyclopentannulated Anthanthrenes. Journal of Organic Chemistry, 2021, 86, 1456-1461.	1.7	11
2	Niclosamideâ€™s potential direct targets in ovarian cancer. Biology of Reproduction, 2021, 105, 403-412.	1.2	7
3	Benzodithiophene-Fused Cyclopentannulated Aromatics via a Palladium-Catalyzed Cyclopentannulation and Scholl Cyclodehydrogenation Strategy. Journal of Organic Chemistry, 2021, 86, 12569-12576.	1.7	4
4	Synthesis of anthradithiophene containing conjugated polymers via a cross-coupling strategy. RSC Advances, 2021, 11, 996-1000.	1.7	1
5	1,1â€²-Biaceanthrylene and 2,2â€²-Biaceanthrylene: Models for Linking Larger Polycyclic Aromatic Hydrocarbons via Five-Membered Rings. Journal of Organic Chemistry, 2020, 85, 79-84.	1.7	5
6	Donorâ€acceptor copolymers from cyclopentannulation polymerizations with dicyclopenta[cd,jk]pyrene and dicyclopenta[cd,lm] perylene acceptors. Journal of Polymer Science, 2020, 58, 3165-3169.	2.0	3
7	A Simple and Practical Method for Incorporating Augmented Reality into the Classroom and Laboratory. Journal of Chemical Education, 2019, 96, 2628-2631.	1.1	39
8	Functional Poly(p-xylylene)s via Chemical Reduction of Poly(p-phenylenevinylene)s. Macromolecules, 2019, 52, 9799-9803.	2.2	4
9	Cyclopentannulation and cyclodehydrogenation of isomerically pure 5,11-dibromo-anthradithiophenes leading to contorted aromatics. Chemical Communications, 2018, 54, 14140-14143.	2.2	10
10	Electron Acceptors Based on Cyclopentannulated Tetracenes. Synlett, 2018, 29, 2572-2576.	1.0	11
11	Inhibition of the Protein Phosphatase CppA Alters Development of Chlamydia trachomatis. Journal of Bacteriology, 2018, 200, .	1.0	4
12	Controlling the folding of conjugated polymers at the single molecule level via hydrogen bonding. Polymer Chemistry, 2017, 8, 1188-1195.	1.9	8
13	Conjugated Ladder Polymers by a Cyclopentannulation Polymerization. Journal of the American Chemical Society, 2017, 139, 5801-5807.	6.6	96
14	Directing the Conformation of Oligo(phenylenevinylene) Polychromophores with Rigid, Nonconjugatable Morphons. Macromolecules, 2016, 49, 3838-3844.	2.2	19
15	Pentaleno[1,2-a:4,5â€²]diacenaphthylenes: Uniquely Stabilized Pentalene Derivatives. Journal of Organic Chemistry, 2016, 81, 8312-8318.	1.7	37
16	Construction of Donorâ€“Acceptor Polymers via Cyclopentannulation of Poly(arylene ethynylene)s. Macromolecules, 2016, 49, 127-133.	2.2	20
17	Dicyclopenta[cd,jk]pyrene based acceptors in conjugated polymers. Polymer Chemistry, 2016, 7, 292-296.	1.9	9
18	Contorted aromatics via a palladium-catalyzed cyclopentannulation strategy. Journal of Materials Chemistry C, 2016, 4, 3963-3969.	2.7	41

#	Article	IF	Citations
19	Stabilizing Pentacene By Cyclopentannulation. Angewandte Chemie - International Edition, 2015, 54, 15762-15766.	7.2	68
20	The Uptake of Soluble and Particulate Antigens by Epithelial Cells in the Mouse Small Intestine. PLoS ONE, 2014, 9, e86656.	1.1	69
21	Irreversible Catalyst Activation Enables Hyperpolarization and Water Solubility for NMR Signal Amplification by Reversible Exchange. Journal of Physical Chemistry B, 2014, 118, 13882-13889.	1.2	131
22	Orthogonal Functionalization of Cyclopenta[hi]aceanthrylenes. Organic Letters, 2013, 15, 1202-1205.	2.4	27
23	Donorâ€“Acceptor Shape Matching Drives Performance in Photovoltaics. Advanced Energy Materials, 2013, 3, 894-902.	10.2	43
24	What About the Five-Membered Ring? Cyclopenta-fused Polycyclic Aromatic Hydrocarbons as a Building Block for Functional Materials. Synlett, 2013, 24, 898-902.	1.0	46
25	Electron Acceptors Based on an Allâ€Carbon Donorâ€“Acceptor Copolymer. Angewandte Chemie - International Edition, 2012, 51, 12321-12324.	7.2	47
26	Unmasking Bulk Exciton Traps and Interchain Electronic Interactions with Single Conjugated Polymer Aggregates. ACS Nano, 2012, 6, 523-529.	7.3	30
27	Electron Acceptors Based on Functionalizable Cyclopenta[hi]aceanthrylenes and Dicyclopenta[de,mn]tetracenes. Journal of the American Chemical Society, 2012, 134, 15783-15789.	6.6	125
28	Bending contorted hexabenzocoronene into a bowl. Chemical Science, 2011, 2, 132-135.	3.7	69
29	Controlling Chain Conformation in Conjugated Polymers Using Defect Inclusion Strategies. Journal of the American Chemical Society, 2011, 133, 10155-10160.	6.6	52
30	Expeditious Synthesis of Contorted Hexabenzocoronenes. Organic Letters, 2009, 11, 2225-2228.	2.4	66
31	PNIPAM Chain Collapse Depends on the Molecular Weight and Grafting Density. Langmuir, 2006, 22, 4259-4266.	1.6	372
32	A Highly Active, Heterogeneous Catalyst for Alkyne Metathesis. Angewandte Chemie - International Edition, 2006, 45, 585-588.	7.2	73
33	Chymotrypsin Responsive Hydrogel:Â Application of a Disulfide Exchange Protocol for the Preparation of Methacrylamide Containing Peptides. Biomacromolecules, 2005, 6, 632-637.	2.6	133
34	Light-Regulated Electrostatic Interactions in Colloidal Suspensions. Journal of the American Chemical Society, 2005, 127, 14574-14575.	6.6	49
35	Introduction to Photolithography: Preparation of Microscale Polymer Silhouettes. Journal of Chemical Education, 2005, 82, 1365.	1.1	33
36	Patterned Dual pH-Responsive Coreâ^'Shell Hydrogels with Controllable Swelling Kinetics and Volumes. Langmuir, 2004, 20, 6535-6537.	1.6	49

#	Article	IF	Citations
37	Swelling Kinetics of Disulfide Cross-Linked Microgels. Macromolecules, 2003, 36, 3960-3966.	2.2	68