David W Piotrowski

List of Publications by Year
in descending order

42 papers	1,120 citations	361413 20 h-index	414414 32 g-index
46 all docs	46 docs citations	46 times ranked	1434 citing authors

#	Article	IF	Citations
1	A Small-Molecule Oral Agonist of the Human Glucagon-like Peptide-1 Receptor. Journal of Medicinal Chemistry, 2022, 65, 8208-8226.	6.4	42
2	PF-07059013: A Noncovalent Modulator of Hemoglobin for Treatment of Sickle Cell Disease. Journal of Medicinal Chemistry, 2021, 64, 326-342.	6.4	29
3	<scp>PF</scp>â€07059013: A nonâ€covalent hemoglobin modulator favorably impacts disease state in a mouse model of sickle cell disease. American Journal of Hematology, 2021, 96, E272-E275.	4.1	5
4	Acylative Dynamic Kinetic Resolution of Secondary Alcohols: Tandem Catalysis by HyperBTM and BÃckvallâ€™s Ruthenium Complex. Journal of Organic Chemistry, 2021, 86, 7189-7202.	3.2	12
5	Merging C(sp³)â€“H activation with DNA-encoding. Chemical Science, 2020, 11, 12282-12288.	7.4	57
6	RASSâ€Enabled S/Pâˆ’C and Sâˆ’N Bond Formation for DEL Synthesis. Angewandte Chemie, 2020, 132, 7447-7453.	2.0	9
7	RASSâ€Enabled S/Pâˆ’C and Sâˆ’N Bond Formation for DEL Synthesis. Angewandte Chemie - International Edition, 2020, 59, 7377-7383.	13.8	44
8	Discovery and Early Development of Small Molecule Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) Inhibitors. ACS Symposium Series, 2019, , 267-296.	0.5	0
9	Expanding Reactivity in DNA-Encoded Library Synthesis via Reversible Binding of DNA to an Inert Quaternary Ammonium Support. Journal of the American Chemical Society, 2019, 141, 9998-10006.	13.7	119
10	Overcoming the Challenges of Making a Single Enantiomer N-1 Substituted Tetrazole Prodrug Using a Tin-Mediated Alkylation and Enzymatic Resolution. Organic Process Research and Development, 2019, 23, 1167-1177.	2.7	9
11	A Novel Non-Covalent Modulator of Hemoglobin Improves Anemia and Reduces Sickling in a Mouse Model of Sickle Cell Disease. Blood, 2019, 134, 207-207.	1.4	0
12	Discovery of a Novel Small-Molecule Modulator of Câ€“Xâ€“C Chemokine Receptor Type 7 as a Treatment for Cardiac Fibrosis. Journal of Medicinal Chemistry, 2018, 61, 3685-3696.	6.4	18
13	Identification of Morpholino-2H-pyrido[3,2-b][1,4]oxazin-3(4H)-ones as Nonsteroidal Mineralocorticoid Antagonists. Journal of Medicinal Chemistry, 2018, 61, 1086-1097.	6.4	15
14	Deuterium isotope effects in drug pharmacokinetics II: Substrate-dependence of the reaction mechanism influences outcome for cytochrome P450 cleared drugs. PLoS ONE, 2018, 13, e0206279.	2.5	19
15	Discovery of N-(piperidin-3-yl)-N-(pyridin-2-yl)piperidine/piperazine-1-carboxamides as small molecule inhibitors of PCSK9. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3685-3688.	2.2	11
16	Small Molecule Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) Inhibitors: Hit to Lead Optimization of Systemic Agents. Journal of Medicinal Chemistry, 2018, 61, 5704-5718.	6.4	37
17	Development of a Chiral DMAP Catalyst for the Dynamic Kinetic Resolution of Azole Hemiaminals. Journal of Organic Chemistry, 2017, 82, 869-886.	3.2	28
18	Liverâ€Targeted Smallâ€Molecule Inhibitors of Proprotein Convertase Subtilisin/Kexin Type 9 Synthesis. Angewandte Chemie - International Edition, 2017, 56, 16218-16222.	13.8	35

#	Article	IF	Citations
19	A Scalable Route for the Regio- and Enantioselective Preparation of a Tetrazole Prodrug: Application to the Multi-Gram-Scale Synthesis of a PCSK9 Inhibitor. Organic Process Research and Development, 2017, 21, 1990-2000.	2.7	20
20	Liverâ€Targeted Smallâ€Molecule Inhibitors of Proprotein Convertase Subtilisin/Kexin Type 9 Synthesis. Angewandte Chemie, 2017, 129, 16436-16440.	2.0	1
21	Selective stalling of human translation through small-molecule engagement of the ribosome nascent chain. PLoS Biology, 2017, 15, e2001882.	5.6	104
22	Regio- and Enantioselective Synthesis of Azole Hemiaminal Esters by Lewis Base Catalyzed Dynamic Kinetic Resolution. Journal of the American Chemical Society, 2016, 138, 4818-4823.	13.7	59
23	Synthesis and Analysis of Macrocyclic Peptides with 310-Helical Structure. Synlett, 2015, 26, 1164-1168.	1.8	2
24	Short Hydrophobic Peptides with Cyclic Constraints Are Potent Glucagon-like Peptide-1 Receptor (GLP-1R) Agonists. Journal of Medicinal Chemistry, 2015, 58, 4080-4085.	6.4	38
25	Identification of (R)-6-(1-(4-Cyano-3-methylphenyl)-5-cyclopentyl-4,5-dihydro-1H-pyrazol-3-yl)-2-methoxynicotinic Acid, a Highly Potent and Selective Nonsteroidal Mineralocorticoid Receptor Antagonist. Journal of Medicinal Chemistry, 2014, 57, 4273-4288.	6.4	22
26	Regioselective Hydroarylations and Parallel Kinetic Resolution of Vince Lactam. Angewandte Chemie - International Edition, 2013, 52, 10607-10610.	13.8	21
27	Identification of Tetrahydropyrido[4,3-d]pyrimidine Amides as a New Class of Orally Bioavailable TGR5 Agonists. ACS Medicinal Chemistry Letters, 2013, 4, 63-68.	2.8	45
28	Optimization of triazole-based TGR5 agonists towards orally available agents. MedChemComm, 2013, 4, 205-210.	3.4	25
29	Stereodefined Cyclopentanes by Hydroarylationâ€“Ring Opening. Synthetic Communications, 2013, 43, 1007-1015.	2.1	4
30	Design and synthesis of aryl sulfonamide-based nonsteroidal mineralocorticoid receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6239-6242.	2.2	10
31	Synthesis of a cis 2,5-Disubstituted Morpholine by De-epimerization: Application to the Multigram Scale Synthesis of a Mineralocorticoid Antagonist. Organic Process Research and Development, 2013, 17, 934-939.	2.7	10
32	Rapid and Selective in situ Reduction of Pyridine-N-oxides with TetraÂhydroxydiboron. Synlett, 2013, 24, 2695-2700.	1.8	30
33	Metabolism, Excretion, and Pharmacokinetics of		

#	Article	IF	Citations
37	The use of plasma aldosterone and urinary sodium to potassium ratio as translatable quantitative biomarkers of mineralocorticoid receptor antagonism. Journal of Translational Medicine, 2011, 9, 180.	4.4	45
38	1-((3S,4S)-4-Amino-1-(4-substituted-1,3,5-triazin-2-yl) pyrrolidin-3-yl)-5,5-difluoropiperidin-2-one inhibitors of DPP-4 for the treatment of type 2 diabetes. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1810-1814.	2.2	20
39	Hydroarylation of 2-azabicyclohept-5-en-3-one. Tetrahedron Letters, 2010, 51, 17-19.	1.4	16
40	A convenient and rapid approach for the synthesis of 1-benzyl-3-heterocyclic pyrazoles. Tetrahedron Letters, 2009, 50, 5479-5481.	1.4	9
41			