Robert J Young

List of Publications by Year
in descending order

57 papers	2,799 citations	257101 24 h-index	174990 52 g-index
62 all docs	62 docs citations	62 times ranked	3937 citing authors

#	Article	IF	Citations
1	Expanding the medicinal chemistry synthetic toolbox. Nature Reviews Drug Discovery, 2018, 17, 709-727.	21.5	391
2	The impact of aromatic ring count on compound developability: further insights by examining carbo- and hetero-aromatic and -aliphatic ring types. Drug Discovery Today, 2011, 16, 164-171.	3.2	333
3	Getting physical in drug discovery II: the impact of chromatographic hydrophobicity measurements and aromaticity. Drug Discovery Today, 2011, 16, 822-830.	3.2	257
4	Getting physical in drug discovery: a contemporary perspective on solubility and hydrophobicity. Drug Discovery Today, 2010, 15, 648-655.	3.2	219
5	New Small-Molecule Synthetic Antimycobacterials. Antimicrobial Agents and Chemotherapy, 2005, 49, 2153-2163.	1.4	159
6	Molecular Property Design: Does Everyone Get It?. ACS Medicinal Chemistry Letters, 2015, 6, 722-725.	1.3	106
7	New thiopyrazolo[3,4-d]pyrimidine derivatives as anti-mycobacterial agents. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1736-1740.	1.0	101
8	Mapping the Efficiency and Physicochemical Trajectories of Successful Optimizations. Journal of Medicinal Chemistry, 2018, 61, 6421-6467.	2.9	79
9	Inhibition of inducible nitric oxide synthase by acetamidine derivatives of hetero-substituted lysine and homolysine. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 597-600.	1.0	71
10	Facts, Patterns, and Principles in Drug Discovery: Appraising the Rule of 5 with Measured Physicochemical Data. Journal of Medicinal Chemistry, 2020, 63, 10091-10108.	2.9	62
11	Application of Biocatalysis to onâ€DNA Carbohydrate Library Synthesis. ChemBioChem, 2017, 18, 858-863.	1.3	60
12	Design, Synthesis, and Evaluation of New Thiadiazole-Based Direct Inhibitors of Enoyl Acyl Carrier Protein Reductase (InhA) for the Treatment of Tuberculosis. Journal of Medicinal Chemistry, 2015, 58, 613-624.	2.9	58
13	Whole Cell Target Engagement Identifies Novel Inhibitors of Mycobacterium tuberculosis Decaprenylphosphoryl-Î²-<scp>d</scp>-ribose Oxidase. ACS Infectious Diseases, 2015, 1, 615-626.	1.8	51
14	Synthesis and antiviral evaluation of enantiomeric 2â€²,3â€²-dideoxy- and 2â€²,3â€²-didehydro-2â€²,3â€²-dideoxy-4â€²-thionucleosides. Bioorganic and Medicinal Chemistry Letters, 1995, 5, 2599-2604.	1.0	49
15	Factor Xa Inhibitors:Â S1 Binding Interactions of a Series ofN-{(3S)-1-[(1S)-1-Methyl-2-morpholin-4-yl-2-oxoethyl]-2-oxopyrrolidin-3-yl}sulfonamidesâ€. Journal of Medicinal Chemistry, 2007, 50, 1546-1557.	2.9	48
16	A new â€˜golden ageâ€™ for the antitubercular target InhA. Drug Discovery Today, 2017, 22, 492-502.	3.2	46
17	Structure- and property-based design of factor Xa inhibitors: Pyrrolidin-2-ones with acyclic alanyl amides as P4 motifs. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 5953-5957.	1.0	40
18	Sulfonamide-related conformational effects and their importance in structure-based design. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2931-2934.	1.0	31

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19	Design and synthesis of orally active pyrrolidin-2-one-based factor Xa inhibitors. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 3784-3788.	1.0	30
20	The Discovery of in Vivo Active Mitochondrial Branched-Chain Aminotransferase (BCATm) Inhibitors by Hybridizing Fragment and HTS Hits. Journal of Medicinal Chemistry, 2015, 58, 7140-7163.	2.9	29
21	Nâ€Benzylâ€4â€((heteroaryl)methyl)benzamides: A New Class of Direct NADHâ€Dependent 2â€trans Enoylâ€“Acyl Carrier Protein Reductase (InhA) Inhibitors with Antitubercular Activity. ChemMedChem, 2016, 11, 687-701.	1.6	28
22	Î²-Anomer selectivity in 2â€²-deoxynucleoside synthesis: A novel approach using an acyl carbamate directing group. Tetrahedron Letters, 1994, 35, 8687-8690.	0.7	26
23	Structure and property based design of factor Xa inhibitors: Pyrrolidin-2-ones with biaryl P4 motifs. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 23-27.	1.0	26
24	Chemoselective Sequential Click Ligations Directed by Enhanced Reactivity of an Aromatic Ynamine. Organic Letters, 2016, 18, 1694-1697.	2.4	25
25	Targeting the Regulatory Site of ER Aminopeptidase 1 Leads to the Discovery of a Natural Product Modulator of Antigen Presentation. Journal of Medicinal Chemistry, 2020, 63, 3348-3358.	2.9	25
26	Synthesis and biological evaluation of the L-enantiomer of 2â€²-deoxy-5-ethyl-4â€²-thiouridine. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 991-994.	1.0	24
27	Using Physicochemical Measurements to Influence Better Compound Design. SLAS Discovery, 2019, 24, 791-801.	1.4	24
28	Revisiting the Language of Glycoscience: Readers, Writers and Erasers in Carbohydrate Biochemistry. ChemBioChem, 2020, 21, 423-427.	1.3	24
29	Structure and property based design of factor Xa inhibitors: Biaryl pyrrolidin-2-ones incorporating basic heterocyclic motifs. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 28-33.	1.0	23
30	Accurate Lipophilicity (logâ€‰P) Measurements Inform on Subtle Stereoelectronic Effects in Fluorine Chemistry. Angewandte Chemie - International Edition, 2016, 55, 3858-3860.	7.2	23
31	Structurally Diverse Mitochondrial Branched Chain Aminotransferase (BCATm) Leads with Varying Binding Modes Identified by Fragment Screening. Journal of Medicinal Chemistry, 2016, 59, 2452-2467.	2.9	23
32	Selective and dual action orally active inhibitors of thrombin and factor Xa. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2927-2930.	1.0	22
33	Mycobacterium tuberculosis Decaprenylphosphoryl-Î²-<scp>d</scp>-ribose Oxidase Inhibitors: Expeditious Reconstruction of Suboptimal Hits into a Series with Potent in Vivo Activity. Journal of Medicinal Chemistry, 2020, 63, 2557-2576.	2.9	22
34	Identification and Optimization of Novel Small c-Abl Kinase Activators Using Fragment and HTS Methodologies. Journal of Medicinal Chemistry, 2019, 62, 2154-2171.	2.9	21
35	New direct inhibitors of InhA with antimycobacterial activity based on a tetrahydropyran scaffold. European Journal of Medicinal Chemistry, 2016, 112, 252-257.	2.6	20
36	Physicochemical properties and Mycobacterium tuberculosis transporters: keys to efficacious antitubercular drugs?. RSC Medicinal Chemistry, 2021, 12, 43-56.	1.7	19

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37	The role and impact of high throughput biomimetic measurements in drug discovery. ADMET and DMPK, 2018, 6, 74-84.	1.1	19
38	Acyl carbamate directing groups in nucleoside synthesis: Applications in the synthesis of 2â€²-deoxy-5-ethyl-4â€²-thiouridine. Tetrahedron Letters, 1996, 37, 1867-1870.	0.7	17
39	The successful quest for oral factor Xa inhibitors; learnings for all of medicinal chemistry?. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6228-6235.	1.0	17
40	Preparation of heterocyclic phosphorus ylides containing the tetramic acid ring system and seven-membered ring vinylogues. Tetrahedron Letters, 2001, 42, 141-143.	0.7	15
41	Physical Properties in Drug Design. Topics in Medicinal Chemistry, 2014, , 1-68.	0.4	13
42	Structure and property based design of factor Xa inhibitors: pyrrolidin-2-ones with monoaryl P4 motifs. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 618-622.	1.0	12
43	The discovery of potent and long-acting oral factor Xa inhibitors with tetrahydroisoquinoline and benzazepine P4 motifs. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1588-1592.	1.0	12
44	The Mechanism of Acetyl Transfer Catalyzed by Mycobacterium tuberculosis GlmU. Biochemistry, 2018, 57, 3387-3401.	1.2	11
45	Syntheses of methylene-bridged benzopyrenes, carcinogenic components of automobile exhaust residue. Tetrahedron Letters, 1989, 30, 6603-6606.	0.7	10
46	Practical purification of hydrophilic fragments and lead/drug-like molecules by reverse phase flash chromatography: tips, tricks and contemporary developments. Drug Discovery Today, 2013, 18, 148-154.	3.2	10
47	Structure and property based design of factor Xa inhibitors: Pyrrolidin-2-ones with aminoindane and phenylpyrrolidine P4 motifs. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1582-1587.	1.0	9
48	Kallikrein 5 inhibitors identified through structure based drug design in search for a treatment for Netherton Syndrome. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 821-825.	1.0	9
49	Structure guided drug design to develop kallikrein 5 inhibitors to treat Netherton syndrome. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1454-1458.	1.0	9
50	Identification of 2-((2,3-dihydrobenzo[b][1,4]dioxin-6-yl)amino)-N-phenylpropanamides as a novel class of potent DprE1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127192.	1.0	7
51	Identification via a Parallel Hit Progression Strategy of Improved Small Molecule Inhibitors of the Malaria Purine Uptake Transporter that InhibitPlasmodium falciparumParasite Proliferation. ACS Infectious Diseases, 2019, 5, 1738-1753.	1.8	6
52	Method Development and Application of an Accelerated Solution Stability Screen for Drug Discovery. SLAS Discovery, 2020, 25, 1191-1196.	1.4	5
53	Heteroalicyclic carboxamidines as inhibitors of inducible nitric oxide synthase; the identification of (2R)-2-pyrrolidinecarboxamidine as a potent and selective haem-co-ordinating inhibitor. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 3037-3040.	1.0	4
54	Structure-guided optimization of small molecule c-Abl activators. Journal of Computer-Aided Molecular Design, 2014, 28, 75-87.	1.3	4

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55	PrÃzise Lipophilie(logâ€‰P)â€Messungen geben Auskunft Ã¼ber feine stereoelektronische Effekte in der Fluorchemie. Angewandte Chemie, 2016, 128, 3922-3924.	1.6	3
56	Synthesis of Amino Acid Derived Cyclic Phosphorus Ylides. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 147, 245-245.	0.8	0
57	New reactions and reactive intermediates in the pyrolysis of cyclic phosphonium ylides. Arkivoc, 2017, 2017, 293-301.	0.3	0