

Robert J Young

List of Publications by Year in descending order

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57
papers

2,799
citations

257450

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175258

52
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62
all docs

62
docs citations

62
times ranked

3937
citing authors

#	ARTICLE	IF	CITATIONS
1	Expanding the medicinal chemistry synthetic toolbox. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 709-727.	46.4	391
2	The impact of aromatic ring count on compound developability: further insights by examining carbo- and hetero-aromatic and -aliphatic ring types. <i>Drug Discovery Today</i> , 2011, 16, 164-171.	6.4	333
3	Getting physical in drug discovery II: the impact of chromatographic hydrophobicity measurements and aromaticity. <i>Drug Discovery Today</i> , 2011, 16, 822-830.	6.4	257
4	Getting physical in drug discovery: a contemporary perspective on solubility and hydrophobicity. <i>Drug Discovery Today</i> , 2010, 15, 648-655.	6.4	219
5	New Small-Molecule Synthetic Antimycobacterials. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2153-2163.	3.2	159
6	Molecular Property Design: Does Everyone Get It?. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 722-725.	2.8	106
7	New thiopyrazolo[3,4-d]pyrimidine derivatives as anti-mycobacterial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1736-1740.	2.2	101
8	Mapping the Efficiency and Physicochemical Trajectories of Successful Optimizations. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 6421-6467.	6.4	79
9	Inhibition of inducible nitric oxide synthase by acetamidine derivatives of hetero-substituted lysine and homolysine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 597-600.	2.2	71
10	Facts, Patterns, and Principles in Drug Discovery: Appraising the Rule of 5 with Measured Physicochemical Data. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 10091-10108.	6.4	62
11	Application of Biocatalysis to onâ€DNA Carbohydrate Library Synthesis. <i>ChemBioChem</i> , 2017, 18, 858-863.	2.6	60
12	Design, Synthesis, and Evaluation of New Thiadiazole-Based Direct Inhibitors of Enoyl Acyl Carrier Protein Reductase (InhA) for the Treatment of Tuberculosis. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 613-624.	6.4	58
13	Whole Cell Target Engagement Identifies Novel Inhibitors of <i>Mycobacterium tuberculosis</i> Decaprenylphosphoryl-1 ² -ribose Oxidase. <i>ACS Infectious Diseases</i> , 2015, 1, 615-626.	3.8	51
14	Synthesis and antiviral evaluation of enantiomeric 2 ² ,3 ² -dideoxy- and 2 ² ,3 ² -dideoxy-2 ² ,3 ² -dideoxy-4 ² -thionucleosides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995, 5, 2599-2604.		49
15	Factor Xa Inhibitors: S1 Binding Interactions of a Series of N-[(3S)-1-[(1S)-1-Methyl-2-morpholin-4-yl-2-oxoethyl]-2-oxopyrrolidin-3-yl]sulfonamides. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 1546-1557.	6.4	48
16	A new "golden age"™ for the antitubercular target InhA. <i>Drug Discovery Today</i> , 2017, 22, 492-502.	6.4	46
17	Structure- and property-based design of factor Xa inhibitors: Pyrrolidin-2-ones with acyclic alanyl amides as P4 motifs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5953-5957.	2.2	40
18	Sulfonamide-related conformational effects and their importance in structure-based design. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2931-2934.	2.2	31

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19	Design and synthesis of orally active pyrrolidin-2-one-based factor Xa inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 3784-3788.	2.2	30
20	The Discovery of in Vivo Active Mitochondrial Branched-Chain Aminotransferase (BCATm) Inhibitors by Hybridizing Fragment and HTS Hits. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7140-7163.	6.4	29
21	<i>N</i> -Benzyl- α -(heteroaryl)methylbenzamides: A New Class of Direct NADH-Dependent <i>trans</i> -Enoyl- β -Acyl Carrier Protein Reductase (InhA) Inhibitors with Antitubercular Activity. <i>ChemMedChem</i> , 2016, 11, 687-701.	3.2	28
22	β -Anomer selectivity in β -deoxynucleoside synthesis: A novel approach using an acyl carbamate directing group. <i>Tetrahedron Letters</i> , 1994, 35, 8687-8690.	1.4	26
23	Structure and property based design of factor Xa inhibitors: Pyrrolidin-2-ones with biaryl P4 motifs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 23-27.	2.2	26
24	Chemoselective Sequential Click Ligations Directed by Enhanced Reactivity of an Aromatic Ynamine. <i>Organic Letters</i> , 2016, 18, 1694-1697.	4.6	25
25	Targeting the Regulatory Site of ER Aminopeptidase 1 Leads to the Discovery of a Natural Product Modulator of Antigen Presentation. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3348-3358.	6.4	25
26	Synthesis and biological evaluation of the L-enantiomer of 2-deoxy-5-ethyl-4-thiouridine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 991-994.	2.2	24
27	Using Physicochemical Measurements to Influence Better Compound Design. <i>SLAS Discovery</i> , 2019, 24, 791-801.	2.7	24
28	Revisiting the Language of Glycoscience: Readers, Writers and Erasers in Carbohydrate Biochemistry. <i>ChemBioChem</i> , 2020, 21, 423-427.	2.6	24
29	Structure and property based design of factor Xa inhibitors: Biaryl pyrrolidin-2-ones incorporating basic heterocyclic motifs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 28-33.	2.2	23
30	Accurate Lipophilicity ($\log P$) Measurements Inform on Subtle Stereoelectronic Effects in Fluorine Chemistry. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3858-3860.	13.8	23
31	Structurally Diverse Mitochondrial Branched Chain Aminotransferase (BCATm) Leads with Varying Binding Modes Identified by Fragment Screening. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 2452-2467.	6.4	23
32	Selective and dual action orally active inhibitors of thrombin and factor Xa. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2927-2930.	2.2	22
33	<i>Mycobacterium tuberculosis</i> Decaprenylphosphoryl- β -D-ribose Oxidase Inhibitors: Expeditious Reconstruction of Suboptimal Hits into a Series with Potent in Vivo Activity. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2557-2576.	6.4	22
34	Identification and Optimization of Novel Small c-Abl Kinase Activators Using Fragment and HTS Methodologies. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2154-2171.	6.4	21
35	New direct inhibitors of InhA with antimycobacterial activity based on a tetrahydropyran scaffold. <i>European Journal of Medicinal Chemistry</i> , 2016, 112, 252-257.	5.5	20
36	Physicochemical properties and <i>Mycobacterium tuberculosis</i> transporters: keys to efficacious antitubercular drugs?. <i>RSC Medicinal Chemistry</i> , 2021, 12, 43-56.	3.9	19

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37	The role and impact of high throughput biomimetic measurements in drug discovery. <i>ADMET and DMPK</i> , 2018, 6, 74-84.	2.1	19
38	Acyl carbamate directing groups in nucleoside synthesis: Applications in the synthesis of 2'-deoxy-5-ethyl-4-thiouridine. <i>Tetrahedron Letters</i> , 1996, 37, 1867-1870.	1.4	17
39	The successful quest for oral factor Xa inhibitors; learnings for all of medicinal chemistry?. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6228-6235.	2.2	17
40	Preparation of heterocyclic phosphorus ylides containing the tetramic acid ring system and seven-membered ring vinyloues. <i>Tetrahedron Letters</i> , 2001, 42, 141-143.	1.4	15
41	Physical Properties in Drug Design. <i>Topics in Medicinal Chemistry</i> , 2014, , 1-68.	0.8	13
42	Structure and property based design of factor Xa inhibitors: pyrrolidin-2-ones with monoaryl P4 motifs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 618-622.	2.2	12
43	The discovery of potent and long-acting oral factor Xa inhibitors with tetrahydroisoquinoline and benzazepine P4 motifs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1588-1592.	2.2	12
44	The Mechanism of Acetyl Transfer Catalyzed by <i>Mycobacterium tuberculosis</i> GlmU. <i>Biochemistry</i> , 2018, 57, 3387-3401.	2.5	11
45	Syntheses of methylene-bridged benzopyrenes, carcinogenic components of automobile exhaust residue. <i>Tetrahedron Letters</i> , 1989, 30, 6603-6606.	1.4	10
46	Practical purification of hydrophilic fragments and lead/drug-like molecules by reverse phase flash chromatography: tips, tricks and contemporary developments. <i>Drug Discovery Today</i> , 2013, 18, 148-154.	6.4	10
47	Structure and property based design of factor Xa inhibitors: Pyrrolidin-2-ones with aminoindane and phenylpyrrolidine P4 motifs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1582-1587.	2.2	9
48	Kallikrein 5 inhibitors identified through structure based drug design in search for a treatment for Netherton Syndrome. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 821-825.	2.2	9
49	Structure guided drug design to develop kallikrein 5 inhibitors to treat Netherton syndrome. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1454-1458.	2.2	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127192.	2.2	7
51	Identification via a Parallel Hit Progression Strategy of Improved Small Molecule Inhibitors of the Malaria Purine Uptake Transporter that Inhibit <i>Plasmodium falciparum</i> Parasite Proliferation. <i>ACS Infectious Diseases</i> , 2019, 5, 1738-1753.	3.8	6
52	Method Development and Application of an Accelerated Solution Stability Screen for Drug Discovery. <i>SLAS Discovery</i> , 2020, 25, 1191-1196.	2.7	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3037-3040.	2.2	4
54	Structure-guided optimization of small molecule c-Abl activators. <i>Journal of Computer-Aided Molecular Design</i> , 2014, 28, 75-87.	2.9	4

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55	PrÄzise Lipophilie (log <i>P</i>)-Messungen geben Auskunft Å¼ber feine stereoelektronische Effekte in der Fluorchemie. <i>Angewandte Chemie</i> , 2016, 128, 3922-3924.	2.0	3
56	Synthesis of Amino Acid Derived Cyclic Phosphorus Ylides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999, 147, 245-245.	1.6	0
57	New reactions and reactive intermediates in the pyrolysis of cyclic phosphonium ylides. <i>Arkivoc</i> , 2017, 2017, 293-301.	0.5	0