# Jonas BostrÃ¶m

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7046559/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 41<br>papers | 4,000<br>citations | 257357<br>24<br>h-index | 265120<br>42<br>g-index |
| 51<br>all docs | 51<br>docs citations | 51<br>times ranked | 5185<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | On the Value of Using 3D Shape and Electrostatic Similarities in Deep Generative Methods. Journal of Chemical Information and Modeling, 2022, 62, 1388-1398. | 2.5 | 11 |
| 2 | Transformers for future medicinal chemists. Nature Machine Intelligence, 2021, 3, 102-103. | 8.3 | 5 |
| 3 | Reusability report: Learning the language of synthetic methods used in medicinal chemistry. Nature Machine Intelligence, 2021, 3, 572-575. | 8.3 | 3 |
| 4 | Can easy chemistry produce complex, diverse, and novel molecules?. Drug Discovery Today, 2020, 25, 2174-2181. | 3.2 | 33 |
| 5 | Design of a small molecule that stimulates vascular endothelial growth factor A enabled by screening RNA foldâ€“small molecule interactions. Nature Chemistry, 2020, 12, 952-961. | 6.6 | 51 |
| 6 | Identification and analyses of inhibitors targeting apolipoprotein(a) kringle domains KIV-7, KIV-10, and KV provide insight into kringle domain function. Journal of Biological Chemistry, 2020, 295, 5136-5151. | 1.6 | 6 |
| 7 | Deep Convolutional Neural Networks for the Prediction of Molecular Properties: Challenges and Opportunities Connected to the Data. Journal of Integrative Bioinformatics, 2019, 16, . | 1.0 | 9 |
| 8 | Improving the Use of Deep Convolutional Neural Networks for the Prediction ofÂMolecular Properties. Advances in Intelligent Systems and Computing, 2019, , 71-79. | 0.5 | 0 |
| 9 | Deep Reinforcement Learning for Multiparameter Optimization in de novo Drug Design. Journal of Chemical Information and Modeling, 2019, 59, 3166-3176. | 2.5 | 130 |
| 10 | ReFlex3D: Refined Flexible Alignment of Molecules Using Shape and Electrostatics. Journal of Chemical Information and Modeling, 2018, 58, 747-760. | 2.5 | 7 |
| 11 | Expanding the medicinal chemistry synthetic toolbox. Nature Reviews Drug Discovery, 2018, 17, 709-727. | 21.5 | 391 |
| 12 | Where Do Recent Small Molecule Clinical Development Candidates Come From?. Journal of Medicinal Chemistry, 2018, 61, 9442-9468. | 2.9 | 131 |
| 13 | Discovery and Evaluation of Anti-Fibrinolytic Plasmin Inhibitors Derived from 5-(4-Piperidyl)isoxazol-3-ol (4-PIOL). Journal of Chemical Information and Modeling, 2017, 57, 1703-1714. | 2.5 | 7 |
| 14 | 3D-Lab: a collaborative web-based platform for molecular modeling. Future Medicinal Chemistry, 2016, 8, 1739-1752. | 1.1 | 20 |
| 15 | Analysis of Past and Present Synthetic Methodologies on Medicinal Chemistry: Where Have All the New Reactions Gone?. Journal of Medicinal Chemistry, 2016, 59, 4443-4458. | 2.9 | 1,187 |
| 16 | Stuck in a rut with old chemistry. Drug Discovery Today, 2016, 21, 701-703. | 3.2 | 11 |
| 17 | Understanding Our Love Affair with p-Chlorophenyl: Present Day Implications from Historical Biases of Reagent Selection. Journal of Medicinal Chemistry, 2015, 58, 2390-2405. | 2.9 | 54 |
| 18 | Molecular Rift: Virtual Reality for Drug Designers. Journal of Chemical Information and Modeling, 2015, 55, 2475-2484. | 2.5 | 88 |

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|---|---|---|---|
| 19 | Lactam sulfonamides as potent inhibitors of the Kv1.5 potassium ion channel. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1269-1273. | 1.0 | 9 |
| 20 | Using Matched Molecular Series as a Predictive Tool To Optimize Biological Activity. Journal of Medicinal Chemistry, 2014, 57, 2704-2713. | 2.9 | 50 |
| 21 | Discovery of the Fibrinolysis Inhibitor AZD6564, Acting via Interference of a Proteinâ€“Protein Interaction. ACS Medicinal Chemistry Letters, 2014, 5, 538-543. | 1.3 | 31 |
| 22 | Synthesis and evaluation of diphenylphosphinic amides and diphenylphosphine oxides as inhibitors of Kv1.5. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 706-710. | 1.0 | 19 |
| 23 | Potent Fibrinolysis Inhibitor Discovered by Shape and Electrostatic Complementarity to the Drug Tranexamic Acid. Journal of Medicinal Chemistry, 2013, 56, 3273-3280. | 2.9 | 33 |
| 24 | Synthesis, structureâ€“property relationships and pharmacokinetic evaluation of ethyl 6-aminonicotinate sulfonylureas as antagonists of the P2Y12 receptor. European Journal of Medicinal Chemistry, 2013, 65, 360-375. | 2.6 | 36 |
| 25 | 5-alkyl-1,3-oxazole derivatives of 6-amino-nicotinic acids as alkyl ester bioisosteres are antagonists of the P2Y‹sub›12‹/sub› receptor. Future Medicinal Chemistry, 2013, 5, 2037-2056. | 1.1 | 13 |
| 26 | Symmetric Kv1.5 Blockers Discovered by Focused Screening. ACS Medicinal Chemistry Letters, 2012, 3, 769-773. | 1.3 | 6 |
| 27 | Exploiting Structural Information in Patent Specifications for Key Compound Prediction. Journal of Chemical Information and Modeling, 2012, 52, 1480-1489. | 2.5 | 17 |
| 28 | Oxadiazoles in Medicinal Chemistry. Journal of Medicinal Chemistry, 2012, 55, 1817-1830. | 2.9 | 458 |
| 29 | Exploiting personalized information for reagent selection in drug design. Drug Discovery Today, 2011, 16, 181-187. | 3.2 | 13 |
| 30 | Follow-on drugs: How far should chemists look?. Drug Discovery Today, 2011, 16, 722-732. | 3.2 | 28 |
| 31 | A novel series of piperazinyl-pyridine ureas as antagonists of the purinergic P2Y12 receptor. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2877-2881. | 1.0 | 26 |
| 32 | Novel thioamide derivatives as neutral CB1 receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 479-482. | 1.0 | 25 |
| 33 | Scaffold hopping, synthesis and structureâ€“activity relationships of 5,6-diaryl-pyrazine-2-amide derivatives: A novel series of CB1 receptor antagonists. Bioorganic and Medicinal Chemistry, 2007, 15, 4077-4084. | 1.4 | 62 |
| 34 | Do Structurally Similar Ligands Bind in a Similar Fashion?. Journal of Medicinal Chemistry, 2006, 49, 6716-6725. | 2.9 | 171 |
| 35 | MIMUMBA Revisited:â€‰ Torsion Angle Rules for Conformer Generation Derived from X-ray Structures. Journal of Chemical Information and Modeling, 2006, 46, 2305-2309. | 2.5 | 32 |
| 36 | Computational chemistry-driven decision making in lead generation. Drug Discovery Today, 2006, 11, 43-50. | 3.2 | 70 |

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|---|---|---|---|
| 37 | Assessing the performance of OMEGA with respect to retrieving bioactive conformations. Journal of Molecular Graphics and Modelling, 2003, 21, 449-462. | 1.3 | 281 |
| 38 | A 3D QSAR Study on a Set of Dopamine D4Receptor Antagonists. Journal of Chemical Information and Computer Sciences, 2003, 43, 1020-1027. | 2.8 | 49 |
| 39 | Reproducing the conformations of protein-bound ligands: a critical evaluation of several popular conformational searching tools. Journal of Computer-Aided Molecular Design, 2001, 15, 1137-1152. | 1.3 | 164 |
| 40 | A pharmacophore model for dopamine D4 receptor antagonists. Journal of Computer-Aided Molecular Design, 2000, 14, 769-786. | 1.3 | 21 |
| 41 | Conformational energy penalties of protein-bound ligands. Journal of Computer-Aided Molecular Design, 1998, 12, 383-383. | 1.3 | 223 |