# Michael J Keiser

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2988925/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 34 papers | 6,063 citations | 257450 24 h-index | 377865 34 g-index |
| 43 all docs | 43 docs citations | 43 times ranked | 7448 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Deep learning from multiple experts improves identification of amyloid neuropathologies. Acta Neuropathologica Communications, 2022, 10, 66. | 5.2 | 12 |
| 2 | Trans-channel fluorescence learning improves high-content screening for Alzheimerâ€™s disease therapeutics. Nature Machine Intelligence, 2022, 4, 583-595. | 16.0 | 9 |
| 3 | Stress testing reveals gaps in clinic readiness of image-based diagnostic artificial intelligence models. Npj Digital Medicine, 2021, 4, 10. | 10.9 | 25 |
| 4 | Adding Stochastic Negative Examples into Machine Learning Improves Molecular Bioactivity Prediction. Journal of Chemical Information and Modeling, 2020, 60, 5957-5970. | 5.4 | 16 |
| 5 | Learning Molecular Representations for Medicinal Chemistry. Journal of Medicinal Chemistry, 2020, 63, 8705-8722. | 6.4 | 105 |
| 6 | Validation of machine learning models to detect amyloid pathologies across institutions. Acta Neuropathologica Communications, 2020, 8, 59. | 5.2 | 20 |
| 7 | Artificial Intelligence in Dermatology: A Primer. Journal of Investigative Dermatology, 2020, 140, 1504-1512. | 0.7 | 100 |
| 8 | Zebrafish behavioural profiling identifies GABA and serotonin receptor ligands related to sedation and paradoxical excitation. Nature Communications, 2019, 10, 4078. | 12.8 | 27 |
| 9 | Interpretable classification of Alzheimerâ€™s disease pathologies with a convolutional neural network pipeline. Nature Communications, 2019, 10, 2173. | 12.8 | 116 |
| 10 | Predicted Biological Activity of Purchasable Chemical Space. Journal of Chemical Information and Modeling, 2018, 58, 148-164. | 5.4 | 35 |
| 11 | Comment on â€œPredicting reaction performance in Câ€“N cross-coupling using machine learningâ€. Science, 2018, 362, . | 12.6 | 96 |
| 12 | Adversarial Controls for Scientific Machine Learning. ACS Chemical Biology, 2018, 13, 2819-2821. | 3.4 | 47 |
| 13 | The Psychiatric Cell Map Initiative: A Convergent Systems Biological Approach to Illuminating Key Molecular Pathways in Neuropsychiatric Disorders. Cell, 2018, 174, 505-520. | 28.9 | 108 |
| 14 | Evolutionarily Conserved Roles for Blood-Brain Barrier Xenobiotic Transporters in Endogenous Steroid Partitioning and Behavior. Cell Reports, 2017, 21, 1304-1316. | 6.4 | 48 |
| 15 | A Simple Representation of Three-Dimensional Molecular Structure. Journal of Medicinal Chemistry, 2017, 60, 7393-7409. | 6.4 | 72 |
| 16 | Zebrafish behavioral profiling identifies multitarget antipsychotic-like compounds. Nature Chemical Biology, 2016, 12, 559-566. | 8.0 | 124 |
| 17 | Polygenic overlap between schizophrenia risk and antipsychotic response: a genomic medicine approach. Lancet Psychiatry,the, 2016, 3, 350-357. | 7.4 | 107 |
| 18 | Leveraging Large-scale Behavioral Profiling in Zebrafish to Explore Neuroactive Polypharmacology. ACS Chemical Biology, 2016, 11, 842-849. | 3.4 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Prediction and validation of enzyme and transporter off-targets for metformin. Journal of Pharmacokinetics and Pharmacodynamics, 2015, 42, 463-475. | 1.8 | 37 |
| 20 | In Silico Molecular Comparisons of C. elegans and Mammalian Pharmacology Identify Distinct Targets That Regulate Feeding. PLoS Biology, 2013, 11, e1001712. | 5.6 | 18 |
| 21 | Chemoinformatic Approaches to Target Identification. RSC Drug Discovery Series, 2012, , 50-65. | 0.3 | 0 |
| 22 | Large-scale prediction and testing of drug activity on side-effect targets. Nature, 2012, 486, 361-367. | 27.8 | 782 |
| 23 | Chemical informatics and target identification in a zebrafish phenotypic screen. Nature Chemical Biology, 2012, 8, 144-146. | 8.0 | 113 |
| 24 | The Presynaptic Component of the Serotonergic System is Required for Clozapine's Efficacy. Neuropsychopharmacology, 2011, 36, 638-651. | 5.4 | 63 |
| 25 | Prediction and Evaluation of Protein Farnesyltransferase Inhibition by Commercial Drugs. Journal of Medicinal Chemistry, 2010, 53, 2464-2471. | 6.4 | 42 |
| 26 | The Chemical Basis of Pharmacology. Biochemistry, 2010, 49, 10267-10276. | 2.5 | 93 |
| 27 | Complementarity Between a Docking and a High-Throughput Screen in Discovering New Cruzain Inhibitors. Journal of Medicinal Chemistry, 2010, 53, 4891-4905. | 6.4 | 199 |
| 28 | A pilot study of the pharmacodynamic impact of SSRI drug selection and beta-1 receptor genotype (ADRB1) on cardiac vital signs in depressed patients: a novel pharmacogenetic approach. Psychopharmacology Bulletin, 2010, 43, 11-22. | 0.0 | 6 |
| 29 | A Mapping of Drug Space from the Viewpoint of Small Molecule Metabolism. PLoS Computational Biology, 2009, 5, e1000474. | 3.2 | 34 |
| 30 | Predicting new molecular targets for known drugs. Nature, 2009, 462, 175-181. | 27.8 | 1,474 |
| 31 | Quantifying biogenic bias in screening libraries. Nature Chemical Biology, 2009, 5, 479-483. | 8.0 | 198 |
| 32 | Off-Target Networks Derived from Ligand Set Similarity. Methods in Molecular Biology, 2009, 575, 195-205. | 0.9 | 20 |
| 33 | Quantifying the Relationships among Drug Classes. Journal of Chemical Information and Modeling, 2008, 48, 755-765. | 5.4 | 160 |
| 34 | Relating protein pharmacology by ligand chemistry. Nature Biotechnology, 2007, 25, 197-206. | 17.5 | 1,722 |