

David M Thal

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,018
citations

304743

22
h-index

526287

27
g-index

35
all docs

35
docs citations

35
times ranked

3942
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Selective G protein signaling driven by substance Pâ€“neurokinin receptor dynamics. <i>Nature Chemical Biology</i> , 2022, 18, 109-115. | 8.0 | 40 |
| 2 | Biased Profile of Xanomeline at the Recombinant Human M ₄ Muscarinic Acetylcholine Receptor. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1206-1218. | 3.5 | 6 |
| 3 | P598. Exploring the Molecular Determinants for Functional Selectivity of the Antipsychotic Xanomeline at Muscarinic Acetylcholine Receptors. <i>Biological Psychiatry</i> , 2022, 91, S331. | 1.3 | 0 |
| 4 | The P2X1 receptor as a therapeutic target. <i>Purinergic Signalling</i> , 2022, 18, 421-433. | 2.2 | 6 |
| 5 | Structures of the human cholecystinin 1 (CCK1) receptor bound to Gs and Gq mimetic proteins provide insight into mechanisms of G protein selectivity. <i>PLoS Biology</i> , 2021, 19, e3001295. | 5.6 | 41 |
| 6 | Acetylcholine receptors (muscarinic) in GtoPdb v.2021.2. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2021, 2021, . | 0.2 | 0 |
| 7 | Identification of a Novel Allosteric Site at the M5 Muscarinic Acetylcholine Receptor. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3112-3123. | 3.5 | 6 |
| 8 | Acetylcholine receptors (muscarinic) in GtoPdb v.2021.3. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2021, 2021, . | 0.2 | 0 |
| 9 | Positive allosteric mechanisms of adenosine A1 receptor-mediated analgesia. <i>Nature</i> , 2021, 597, 571-576. | 27.8 | 84 |
| 10 | THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G proteinâ€“coupled receptors. <i>British Journal of Pharmacology</i> , 2021, 178, S27-S156. | 5.4 | 337 |
| 11 | Crystal structure of the M ₅ muscarinic acetylcholine receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26001-26007. | 7.1 | 48 |
| 12 | Phase-plate cryo-EM structure of a biased agonist-bound human GLP-1 receptorâ€“Gs complex. <i>Nature</i> , 2018, 555, 121-125. | 27.8 | 263 |
| 13 | The action of a negative allosteric modulator at the dopamine D2 receptor is dependent upon sodium ions. <i>Scientific Reports</i> , 2018, 8, 1208. | 3.3 | 16 |
| 14 | The structural determinants of the bitopic binding mode of a negative allosteric modulator of the dopamine D 2 receptor. <i>Biochemical Pharmacology</i> , 2018, 148, 315-328. | 4.4 | 26 |
| 15 | Recent advances in the determination of G protein-coupled receptor structures. <i>Current Opinion in Structural Biology</i> , 2018, 51, 28-34. | 5.7 | 51 |
| 16 | Toward an understanding of the structural basis of allostery in muscarinic acetylcholine receptors. <i>Journal of General Physiology</i> , 2018, 150, 1360-1372. | 1.9 | 38 |
| 17 | Structural insights into G-protein-coupled receptor allostery. <i>Nature</i> , 2018, 559, 45-53. | 27.8 | 255 |
| 18 | Structure of the adenosine-bound human adenosine A1 receptorâ€“Gi complex. <i>Nature</i> , 2018, 558, 559-563. | 27.8 | 274 |

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|----|---|------|-----------|
| 19 | Structure of the Adenosine A1 Receptor Reveals the Basis for Subtype Selectivity. <i>Cell</i> , 2017, 168, 867-877.e13. | 28.9 | 237 |
| 20 | Phase-plate cryo-EM structure of a class B GPCR-G-protein complex. <i>Nature</i> , 2017, 546, 118-123. | 27.8 | 424 |
| 21 | Clickable Photoaffinity Ligands for Metabotropic Glutamate Receptor 5 Based on Select Acetylenic Negative Allosteric Modulators. <i>ACS Chemical Biology</i> , 2016, 11, 1870-1879. | 3.4 | 26 |
| 22 | Crystal structures of the M1 and M4 muscarinic acetylcholine receptors. <i>Nature</i> , 2016, 531, 335-340. | 27.8 | 272 |
| 23 | Molecular Determinants of Allosteric Modulation at the M1 Muscarinic Acetylcholine Receptor. <i>Journal of Biological Chemistry</i> , 2014, 289, 6067-6079. | 3.4 | 51 |
| 24 | Paroxetine Is a Direct Inhibitor of G Protein-Coupled Receptor Kinase 2 and Increases Myocardial Contractility. <i>ACS Chemical Biology</i> , 2012, 7, 1830-1839. | 3.4 | 163 |
| 25 | Cluster cytometry for high-capacity bioanalysis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012, 81A, 419-429. | 1.5 | 20 |
| 26 | How G β q Regulates PIP 2 Hydrolysis: Molecular Mechanisms and Prospects for Drug Development. <i>FASEB Journal</i> , 2012, 26, 667.1. | 0.5 | 0 |
| 27 | New Therapeutics Targeting Heart Failure: Development of GRK2 Selective Inhibitors. <i>FASEB Journal</i> , 2012, 26, 665.8. | 0.5 | 0 |
| 28 | Molecular Mechanism of Selectivity among G Protein-Coupled Receptor Kinase 2 Inhibitors. <i>Molecular Pharmacology</i> , 2011, 80, 294-303. | 2.3 | 104 |
| 29 | An autoinhibitory helix in the C-terminal region of phospholipase C- β 2 mediates G β q activation. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 999-1005. | 8.2 | 71 |
| 30 | Assembly of High Order G β q-Effector Complexes with RGS Proteins. <i>Journal of Biological Chemistry</i> , 2008, 283, 34923-34934. | 3.4 | 46 |
| 31 | Unique Hydrophobic Extension of the RGS2 Amphipathic Helix Domain Imparts Increased Plasma Membrane Binding and Function Relative to Other RGS R4/B Subfamily Members. <i>Journal of Biological Chemistry</i> , 2007, 282, 33064-33075. | 3.4 | 32 |
| 32 | Incorporation and Replication of 8-Oxo-deoxyguanosine by the Human Mitochondrial DNA Polymerase. <i>Journal of Biological Chemistry</i> , 2006, 281, 36241-36248. | 3.4 | 76 |