

# Achim Kless

## List of Publications by Year in descending order

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31  
papers

952  
citations

361413

20  
h-index

454955

30  
g-index

34  
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34  
docs citations

34  
times ranked

1144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of Highly Unbalanced CYP450 Data of Drugs Using Cost Sensitive Machine Learning Techniques. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 92-103.	5.4	79
2	Discovery of a Potent Analgesic NOP and Opioid Receptor Agonist: Cebranopadol. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 857-862.	2.8	76
3	Localization of the gate and selectivity filter of the full-length P2X7 receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2156-E2165.	7.1	65
4	Advances in Targeting Voltage-Gated Sodium Channels with Small Molecules. <i>ChemMedChem</i> , 2012, 7, 1712-1740.	3.2	64
5	Heteromeric assembly of P2X subunits. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 250.	3.7	56
6	Origin of the Preference for the Orbital Symmetry Forbidden Stereochemistry of the 1,5-Sigmatropic Shift of Substituted Norcaradienes. <i>Journal of the American Chemical Society</i> , 1999, 121, 4524-4525.	13.7	52
7	The first chiral early-late heterobimetallic complex – A titanium(IV)-palladium(II) complex based on salenophos. <i>Tetrahedron</i> , 1996, 52, 14599-14606.	1.9	45
8	Molecular Determinants of Potent P2X2 Antagonism Identified by Functional Analysis, Mutagenesis, and Homology Docking. <i>Molecular Pharmacology</i> , 2011, 79, 649-661.	2.3	43
9	Chiral phosphinephosphites having axial and central chirality in asymmetric hydroformylations. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 33-36.	1.8	39
10	Identification of aurintricarboxylic acid as a potent allosteric antagonist of P2X1 and P2X3 receptors. <i>Neuropharmacology</i> , 2019, 158, 107749.	4.1	38
11	Synthesis and catalytic properties of an acyclic analogue of hydroxy norphos. <i>Tetrahedron</i> , 1994, 50, 10419-10430.	1.9	36
12	Hydroxyalkylphosphines in asymmetric hydrogenations. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 1973-1988.	1.8	33
13	Construction of chiral Ti(IV)-Rh(I)-salenophos complexes and their application in the asymmetric hydroformylation of functionalised olefins. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 1803-1811.	1.8	32
14	Key Sites for P2X Receptor Function and Multimerization: Overview of Mutagenesis Studies on a Structural Basis. <i>Current Medicinal Chemistry</i> , 2015, 22, 799-818.	2.4	32
15	$\hat{P}^2$ -Alkoxy- and $\hat{P}^2$ -Hydroxyalkylphosphanes as Ligands in the Stereoselective Hydrogenation – A Comparison. <i>Chemische Berichte</i> , 1995, 128, 767-773.	0.2	30
16	Discovery of Spiro[cyclohexane-dihydropyrano[3,4- <i>b</i> : <i>i</i> ]indole]-amines as Potent NOP and Opioid Receptor Agonists. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 851-856.	2.8	30
17	Salt Bridge Switching from Arg290/Glu167 to Arg290/ATP Promotes the Closed-to-Open Transition of the P2X2 Receptor. <i>Molecular Pharmacology</i> , 2013, 83, 73-84.	2.3	27
18	A new chiral multidentate ligand for asymmetric catalysis. <i>Tetrahedron Letters</i> , 1995, 36, 4601-4602.	1.4	26

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19	Ab Initio Studies of Rhodium(I)-N-Alkenylamide Complexes with cis- and trans-Coordinating Phosphines: Relevance for the Mechanism of Catalytic Asymmetric Hydrogenation of Prochiral Dehydroamino Acids. <i>Organometallics</i> , 1997, 16, 2096-2100.	2.3	20
20	Structural Determinants for the Binding of Morphinan Agonists to the $\mu$ -Opioid Receptor. <i>PLoS ONE</i> , 2015, 10, e0135998.	2.5	20
21	Structural Prediction of the Dimeric Form of the Mammalian Translocator Membrane Protein TSPO: A Key Target for Brain Diagnostics. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2588.	4.1	15
22	Synthesis of an optically active hydroxy diphosphine, a new ligand for asymmetric catalysis. <i>Tetrahedron Letters</i> , 1994, 35, 6071-6074.	1.4	14
23	Validity of the cold pressor test and pain sensitivity questionnaire via online self-administration. <i>PLoS ONE</i> , 2020, 15, e0231697.	2.5	13
24	A longer isoform of Stim1 is a negative SOCE regulator but increases cAMP-modulated NFAT signaling. <i>EMBO Reports</i> , 2022, 23, e53135.	4.5	13
25	An Efficient Strategy for the Synthesis of New Chiral and Prochiral Trisphosphines. <i>Synlett</i> , 1996, 1996, 267-269.	1.8	10
26	Retro-cycloadditions and sigmatropic shifts: the C <sub>7</sub> H <sub>8</sub> and C <sub>7</sub> H <sub>10</sub> potential energy surfaces. <i>Pure and Applied Chemistry</i> , 1998, 70, 1947-1952.	1.9	9
27	Quantitative Assessment of Drug Delivery to Tissues and Association with Phospholipidosis: A Case Study with Two Structurally Related Diamines in Development. <i>Molecular Pharmaceutics</i> , 2017, 14, 4362-4373.	4.6	9
28	Studies on the formation of uniform $\mu$ -3-coordinated triphos-Mo(0)-complexes. <i>Journal of Organometallic Chemistry</i> , 1998, 553, 99-102.	1.8	6
29	Cytochrome P450 Classification of Drugs with Support Vector Machines Implementing the Nearest Point Algorithm. <i>Lecture Notes in Computer Science</i> , 2004, , 191-205.	1.3	3
30	Mit Data Mining Entwicklungsprozesse beschleunigen. <i>Nachrichten Aus Der Chemie</i> , 2003, 51, 1264-1268.	0.0	0
31	Computational chemistry using the PC. <i>Zeitschrift Fur Physikalische Chemie</i> , 1996, 193, 222-222.	2.8	0