

# David E Reichert

## List of Publications by Year in descending order

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61  
papers

3,077  
citations

172457

29  
h-index

155660

55  
g-index

67  
all docs

67  
docs citations

67  
times ranked

3676  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping nephron mass in vivo using positron emission tomography. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F183-F192.	2.7	7
2	Intrasubunit and intersubunit steroid binding sites independently and additively mediate $\alpha 1$ GABA <sub>A</sub> receptor potentiation by the endogenous neurosteroid allopregnanolone. <i>Molecular Pharmacology</i> , 2021, 100, MOLPHARM-AR-2021-000268.	2.3	10
3	Validation of Trifluoromethylphenyl Diazirine Cholesterol Analogues As Cholesterol Mimetics and Photolabeling Reagents. <i>ACS Chemical Biology</i> , 2021, 16, 1493-1507.	3.4	9
4	Analysis of Modulation of the $\alpha 1$ GABA <sub>A</sub> Receptor by Combinations of Inhibitory and Potentiating Neurosteroids Reveals Shared and Distinct Binding Sites. <i>Molecular Pharmacology</i> , 2020, 98, 280-291.	2.3	2
5	Site-specific effects of neurosteroids on GABA <sub>A</sub> receptor activation and desensitization. <i>ELife</i> , 2020, 9, .	6.0	32
6	The molecular determinants of neurosteroid binding in the GABA(A) receptor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 192, 105383.	2.5	14
7	Assessment of Copper Nanoclusters for Accurate in Vivo Tumor Imaging and Potential for Translation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 19669-19678.	8.0	37
8	Multiple functional neurosteroid binding sites on GABA <sub>A</sub> receptors. <i>PLoS Biology</i> , 2019, 17, e3000157.	5.6	76
9	Click Chip-Conjugation of Bifunctional Chelators to Biomolecules. <i>Bioconjugate Chemistry</i> , 2017, 28, 986-994.	3.6	5
10	A Clickable Analogue of Ketamine Retains NMDA Receptor Activity, Psychoactivity, and Accumulates in Neurons. <i>Scientific Reports</i> , 2016, 6, 38808.	3.3	13
11	Microfluidic Preparation of a <sup>89</sup> Zr-Labeled Trastuzumab Single-Patient Dose. <i>Journal of Nuclear Medicine</i> , 2016, 57, 747-752.	5.0	16
12	Synthesis, pharmacological evaluation and molecular modeling studies of triazole containing dopamine D3 receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 519-523.	2.2	15
13	Development of a microfluidic click chip-incorporating an immobilized Cu catalyst. <i>RSC Advances</i> , 2015, 5, 6142-6150.	3.6	11
14	Bitropic D3 Dopamine Receptor Selective Compounds s Potential Antipsychotics. <i>Current Pharmaceutical Design</i> , 2015, 21, 3700-3724.	1.9	18
15	A Digital Revolution in Radiosynthesis. <i>Journal of Nuclear Medicine</i> , 2014, 55, 181-182.	5.0	4
16	Triazine-Based Tool Box for Developing Peptidic PET Imaging Probes: Syntheses, Microfluidic Radiolabeling, and Structure-Activity Evaluation. <i>Bioconjugate Chemistry</i> , 2014, 25, 761-772.	3.6	25
17	Thiolene and SIFEL-based microfluidic platforms for liquid-liquid extraction. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 634-644.	7.8	30
18	Evaluation of N-phenyl homopiperazine analogs as potential dopamine D3 receptor selective ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2988-2998.	3.0	13

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19	Microfluidic radiolabeling of biomolecules with PET radiometals. <i>Nuclear Medicine and Biology</i> , 2013, 40, 42-51.	0.6	43
20	Neurosteroid Analog Photolabeling of a Site in the Third Transmembrane Domain of the $\hat{2}3$ Subunit of the GABA <sub>A</sub> Receptor. <i>Molecular Pharmacology</i> , 2012, 82, 408-419.	2.3	69
21	Comparison of the Binding and Functional Properties of Two Structurally Different D2 Dopamine Receptor Subtype Selective Compounds. <i>ACS Chemical Neuroscience</i> , 2012, 3, 1050-1062.	3.5	25
22	Neurosteroid Analogues. 17. Inverted Binding Orientations of Androsterone Enantiomers at the Steroid Potentiation Site on $\hat{3}$ -Aminobutyric Acid Type A Receptors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1334-1345.	6.4	20
23	A neurosteroid analogue photolabeling reagent labels the colchicine-binding site on tubulin: A mass spectrometric analysis. <i>Electrophoresis</i> , 2012, 33, 666-674.	2.4	16
24	Status of GPCR Modeling and Docking as Reflected by Community-wide GPCR Dock 2010 Assessment. <i>Structure</i> , 2011, 19, 1108-1126.	3.3	269
25	Subtype Selectivity of Dopamine Receptor Ligands: Insights from Structure and Ligand-Based Methods. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 1970-1985.	5.4	64
26	Microfluidic labeling of biomolecules with radiometals for use in nuclear medicine. <i>Lab on A Chip</i> , 2010, 10, 3387.	6.0	38
27	[18F]- and [11C]-Labeled N-benzyl-isatin sulfonamide analogues as PET tracers for Apoptosis: synthesis, radiolabeling mechanism, and in vivo imaging study of apoptosis in Fas-treated mice using [11C]WC-98. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1337.	2.8	69
28	Docking and 3D-QSAR Studies on Isatin Sulfonamide Analogues as Caspase-3 Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 1963-1973.	5.4	40
29	Synthesis and characterization of the copper(ii) complexes of new N2S2-donor macrocyclic ligands: synthesis and in vivo evaluation of the $^{64}\text{Cu}$ complexes. <i>Dalton Transactions</i> , 2009, , 177-184.	3.3	15
30	Mechanisms of potentiation of the mammalian GABA <sub>A</sub> receptor by the marine cembranoid eupalmerin acetate. <i>British Journal of Pharmacology</i> , 2008, 153, 598-608.	5.4	13
31	Mutations of the GABA-A Receptor $\hat{1}$ Subunit M1 Domain Reveal Unexpected Complexity for Modulation by Neuroactive Steroids. <i>Molecular Pharmacology</i> , 2008, 74, 614-627.	2.3	82
32	CoMSIA and docking study of rhenium based estrogen receptor ligand analogs. <i>Steroids</i> , 2007, 72, 247-260.	1.8	17
33	Molecular modeling of hexakis(areneisonitrile)technetium(I), tricarbonyl $\hat{5}$ cyclopentadienyl technetium and technetium(V)-oxo complexes: MM3 parameter development and prediction of biological properties. <i>Journal of Molecular Graphics and Modelling</i> , 2007, 25, 616-632.	2.4	4
34	A Potential Dubin-Johnson Syndrome Imaging Agent: Synthesis, Biodistribution, and MicroPET Imaging. <i>Molecular Imaging</i> , 2005, 4, 153535002005041.	1.4	5
35	N-Benzylisatin Sulfonamide Analogues as Potent Caspase-3 Inhibitors: Synthesis, in Vitro Activity, and Molecular Modeling Studies. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 7637-7647.	6.4	92
36	QSAR Studies of Copper Azamacrocycles and Thiosemicarbazones: MM3 Parameter Development and Prediction of Biological Properties. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 5561-5569.	6.4	24

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37	Use of binding energy in comparative molecular field analysis of isoform selective estrogen receptor ligands. <i>Journal of Molecular Graphics and Modelling</i> , 2004, 23, 23-38.	2.4	9
38	Comparative in Vivo Behavior Studies of Cyclen-Based Copper-64 Complexes: Regioselective Synthesis, X-ray Structure, Radiochemistry, logP, and Biodistribution. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 6625-6637.	6.4	40
39	Staging the Initiation of Autoantibody-Induced Arthritis: A Critical Role for Immune Complexes. <i>Journal of Immunology</i> , 2004, 172, 7694-7702.	0.8	133
40	Quantitation and visualization of tumor-specific T cells in the secondary lymphoid organs during and after tumor elimination by PET. <i>Nuclear Medicine and Biology</i> , 2004, 31, 1021-1031.	0.6	34
41	CoMFA and docking study of novel estrogen receptor subtype selective ligands. <i>Journal of Computer-Aided Molecular Design</i> , 2003, 17, 313-328.	2.9	35
42	Regioselective N-Substitution of Cyclen with Two Different Alkyl Groups: Synthesis of All Possible Isomers. <i>ChemInform</i> , 2003, 34, no.	0.0	0
43	Preparation of <sup>66</sup> Ga- and <sup>68</sup> Ga-labeled Ga(III)-deferoxamine-folate as potential folate-receptor-targeted PET radiopharmaceuticals. <i>Nuclear Medicine and Biology</i> , 2003, 30, 725-731.	0.6	113
44	Regioselective N-substitution of cyclen with two different alkyl groups: synthesis of all possible isomers. Electronic supplementary information (ESI) available: spectroscopic data. See <a href="http://www.rsc.org/suppdata/cc/b2/b212667b/">http://www.rsc.org/suppdata/cc/b2/b212667b/</a> . <i>Chemical Communications</i> , 2003, , 766-767.	4.1	18
45	Production and purification of gallium-66 for preparation of tumor-targeting radiopharmaceuticals. <i>Nuclear Medicine and Biology</i> , 2002, 29, 701-706.	0.6	51
46	Supramolecular polymer chemistry: design, synthesis, characterization, and kinetics, thermodynamics, and fidelity of formation of self-assembled dendrimers. <i>Tetrahedron</i> , 2002, 58, 825-843.	1.9	60
47	$\beta$ -Cyclodextrin dimers as potential tumor pretargeting agents. <i>Chemical Communications</i> , 2001, , 1312-1313.	4.1	15
48	Molecular Modeling of Bifunctional Chelate Peptide Conjugates. 1. Copper and Indium Parameters for the AMBER Force Field. <i>Inorganic Chemistry</i> , 2001, 40, 5223-5230.	4.0	19
49	Non-standard isotope production and applications at Washington University. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	3
50	Applications of molecular mechanics to metal-based imaging agents. <i>Coordination Chemistry Reviews</i> , 2001, 212, 111-131.	18.8	24
51	Labeling and in vivo evaluation of novel copper(II) dioxotetraazamacrocyclic complexes. <i>Nuclear Medicine and Biology</i> , 2000, 27, 375-380.	0.6	39
52	Synthesis and Characterization of Racemic Mixture and Meso Isomers of Bis(trans-2-aminocyclohexyl)aminepentaacetic Acid and the Stabilities of Their Gd(III) Complexes. <i>Inorganic Chemistry</i> , 2000, 39, 1480-1486.	4.0	7
53	Metal complexes as diagnostic tools. <i>Coordination Chemistry Reviews</i> , 1999, 184, 3-66.	18.8	246
54	Evaluation of gallium-68 tris(2-mercaptobenzyl)amine: a complex with brain and myocardial uptake. <i>Nuclear Medicine and Biology</i> , 1999, 26, 305-316.	0.6	45

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55	Molecular Mechanics Force Field for Modeling Technetium(V) Complexes. <i>Inorganic Chemistry</i> , 1996, 35, 2165-2166.	4.0	20
56	Molecular Mechanics Investigation of Gadolinium(III) Complexes. <i>Inorganic Chemistry</i> , 1996, 35, 7013-7020.	4.0	37
57	Stability and Structure of Activated Macrocycles. Ligands with Biological Applications. <i>Inorganic Chemistry</i> , 1996, 35, 3821-3827.	4.0	66
58	Self-Assembling Dendrimers. <i>Science</i> , 1996, 271, 1095-1098.	12.6	587
59	Indium(III) and Gallium(III) Complexes of Bis(aminoethanethiol) Ligands with Different Denticities: $\Delta$ Stabilities, Molecular Modeling, and <i>in Vivo</i> Behavior. <i>Journal of Medicinal Chemistry</i> , 1996, 39, 458-470.	6.4	97
60	Synthesis and structure of molecular tweezers containing active site functionality. <i>Journal of the American Chemical Society</i> , 1991, 113, 183-196.	13.7	79
61	Thiophenol promoted cyclization of enynes. <i>Tetrahedron Letters</i> , 1987, 28, 1503-1505.	1.4	51