

Peter H J Keizers

List of Publications by Year in descending order

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47
papers

1,781
citations

257450

24
h-index

265206

42
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50
all docs

50
docs citations

50
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, Synthesis, and Evaluation of a Lanthanide Chelating Protein Probe: CLaNP-5 Yields Predictable Paramagnetic Effects Independent of Environment. <i>Journal of the American Chemical Society</i> , 2008, 130, 14802-14812.	13.7	159
2	Paramagnetic tagging for protein structure and dynamics analysis. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2011, 58, 88-96.	7.5	153
3	Catalytic Site Prediction and Virtual Screening of Cytochrome P450 2D6 Substrates by Consideration of Water and Rescoring in Automated Docking. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2417-2430.	6.4	138
4	Increased Paramagnetic Effect of a Lanthanide Protein Probe by Two-Point Attachment. <i>Journal of the American Chemical Society</i> , 2007, 129, 9292-9293.	13.7	127
5	Small-Molecule Binding Sites on Proteins Established by Paramagnetic NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2013, 135, 5859-5868.	13.7	87
6	A pH-Sensitive, Colorful, Lanthanide-Chelating Paramagnetic NMR Probe. <i>Journal of the American Chemical Society</i> , 2012, 134, 17306-17313.	13.7	70
7	Metabolic Regio- and Stereoselectivity of Cytochrome P450 2D6 towards 3,4-Methylenedioxy-N-alkylamphetamines: <i>In Silico</i> Predictions and Experimental Validation. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 6117-6127.	6.4	64
8	A Solution Model of the Complex Formed by Adrenodoxin and Adrenodoxin Reductase Determined by Paramagnetic NMR Spectroscopy. <i>Biochemistry</i> , 2010, 49, 6846-6855.	2.5	62
9	Intermolecular dynamics studied by paramagnetic tagging. <i>Journal of Biomolecular NMR</i> , 2009, 43, 247-254.	2.8	57
10	Four experimental stimulants found in sports and weight loss supplements: 2-amino-6-methylheptane (octodrine), 1,4-dimethylamylamine (1,4-DMAA), 1,3-dimethylamylamine (1,3-DMAA) and 1,3-dimethylbutylamine (1,3-DMBA). <i>Clinical Toxicology</i> , 2018, 56, 421-426.	1.9	57
11	A cocktail of synthetic stimulants found in a dietary supplement associated with serious adverse events. <i>Drug Testing and Analysis</i> , 2014, 6, 578-581.	2.6	56
12	Validation of a Lanthanide Tag for the Analysis of Protein Dynamics by Paramagnetic NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 9952-9953.	13.7	52
13	Influence of phenylalanine 120 on cytochrome P450 2D6 catalytic selectivity and regioselectivity: crucial role in 7-methoxy-4-(aminomethyl)-coumarin metabolism. <i>Biochemical Pharmacology</i> , 2004, 68, 2263-2271.	4.4	46
14	Molecular Modeling-Guided Site-Directed Mutagenesis of Cytochrome P450 2D6. <i>Current Drug Metabolism</i> , 2007, 8, 59-77.	1.2	45
15	Narrowing the conformational space sampled by two-domain proteins with paramagnetic probes in both domains. <i>Journal of Biomolecular NMR</i> , 2011, 51, 253-263.	2.8	42
16	Performance evaluation of handheld Raman spectroscopy for cocaine detection in forensic case samples. <i>Drug Testing and Analysis</i> , 2021, 13, 1054-1067.	2.6	42
17	Role of the conserved threonine 309 in mechanism of oxidation by cytochrome P450 2D6. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 1065-1074.	2.1	38
18	The stimulant higenamine in weight loss and sports supplements. <i>Clinical Toxicology</i> , 2019, 57, 125-130.	1.9	38

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19	The role of phenylalanine 483 in cytochrome P450 2D6 is strongly substrate dependent. <i>Biochemical Pharmacology</i> , 2005, 70, 1253-1261.	4.4	35
20	Rapid and robust on-scene detection of cocaine in street samples using a handheld near-infrared spectrometer and machine learning algorithms. <i>Drug Testing and Analysis</i> , 2020, 12, 1404-1418.	2.6	34
21	Success of rogue online pharmacies: sewage study of sildenafil in the Netherlands. <i>BMJ, The</i> , 2014, 349, g4317-g4317.	6.0	32
22	PARAssign—paramagnetic NMR assignments of protein nuclei on the basis of pseudocontact shifts. <i>Journal of Biomolecular NMR</i> , 2013, 55, 379-389.	2.8	30
23	Hemorrhagic Stroke Probably Caused by Exercise Combined With a Sports Supplement Containing Î²-Methylphenyl-ethylamine (BMPEA): A Case Report. <i>Annals of Internal Medicine</i> , 2015, 162, 879-880.	3.9	24
24	Operation resistance: A snapshot of falsified antibiotics and biopharmaceutical injectables in Europe. <i>Drug Testing and Analysis</i> , 2016, 8, 398-401.	2.6	24
25	Benchtop NMR spectroscopy in the analysis of substandard and falsified medicines as well as illegal drugs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 178, 112939.	2.8	24
26	A high crosslinking grade of hyaluronic acid found in a dermal filler causing adverse effects. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 173-178.	2.8	21
27	Free energies of binding of R- and S-propranolol to wild-type and F483A mutant cytochrome P450 2D6 from molecular dynamics simulations. <i>European Biophysics Journal</i> , 2007, 36, 589-599.	2.2	20
28	Binding of bufuralol, dextromethorphan, and 3,4-methylenedioxyamphetamine to wild-type and F120A mutant cytochrome P450 2D6 studied by resonance Raman spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 772-779.	2.1	19
29	A “natural” weight loss product containing sibutramine. <i>Drug Testing and Analysis</i> , 2016, 8, 311-314.	2.6	17
30	Active-site structure, binding and redox activity of the heme-thiolate enzyme CYP2D6 immobilized on coated Ag electrodes: a surface-enhanced resonance Raman scattering study. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 85-96.	2.6	16
31	Topological role of cytochrome P450 2D6 active site residues. <i>Archives of Biochemistry and Biophysics</i> , 2006, 447, 53-58.	3.0	15
32	History full circle: “Novel” sympathomimetics in supplements. <i>Drug Testing and Analysis</i> , 2016, 8, 283-286.	2.6	15
33	International Regulatory Collaboration on the Analysis of Nitrosamines in Metformin-Containing Medicines. <i>AAPS Journal</i> , 2022, 24, 56.	4.4	15
34	Sensitive method for endotoxin determination in nanomedicinal product samples. <i>Nanomedicine</i> , 2019, 14, 1231-1246.	3.3	13
35	Binding of 7-methoxy-4-(aminomethyl)-coumarin to wild-type and W128F mutant cytochrome P450 2D6 studied by time-resolved fluorescence spectroscopy. <i>Biochemical Journal</i> , 2006, 393, 635-643.	3.7	12
36	The quality of sildenafil active substance of illegal source. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 133-139.	2.8	12

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37	Chemical fingerprinting of silicone-based breast implants. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 102, 340-345.	2.8	11
38	The importance of wavelength selection in on-scene identification of drugs of abuse with portable near-infrared spectroscopy. <i>Forensic Chemistry</i> , 2022, 30, 100437.	2.8	11
39	Altered spin state equilibrium in the T309V mutant of cytochrome P450 2D6: a spectroscopic and computational study. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 645-654.	2.6	10
40	Surface-Enhanced Resonance Raman Scattering of Cytochrome P450-2D6 on Coated Silver Hydrosols. <i>Langmuir</i> , 2007, 23, 1860-1866.	3.5	9
41	Hemorrhagic Stroke Probably Caused by Exercise Combined With a Sports Supplement Containing β -Methylphenyl-ethylamine (BMPEA): A Case Report. <i>Annals of Internal Medicine</i> , 2015, 162, 879.	3.9	6
42	Evaluation of Adverse Effects of Resorbable Hyaluronic Acid Fillers: Determination of Macrophage Responses. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7275.	4.1	5
43	Poly Implant Prosthese Silicone Breast Explants. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2019, 7, e2093.	0.6	4
44	A Focal Adhesion Kinase-Derived Peptide Binds the Src SH3 Domain in Two Orientations, As Demonstrated Using Paramagnetic Nuclear Magnetic Resonance. <i>Biochemistry</i> , 2016, 55, 29-37.	2.5	2
45	The occurrence of non-anatomical therapeutic chemical international nonproprietary name molecules in suspected illegal or illegally traded health products in Europe: A retrospective and prospective study. <i>Drug Testing and Analysis</i> , 2021, 13, 833-840.	2.6	2
46	Chapter 6. Paramagnetic NMR Spectroscopy and Lowly Populated States. <i>RSC Biomolecular Sciences</i> , 0, , 130-150.	0.4	1
47	Fora fuelling the discovery of fortified dietary supplements – An exploratory study directed at monitoring the internet for contaminated food supplements based on the reported effects of their users. <i>PLoS ONE</i> , 2019, 14, e0215858.	2.5	1