

Ruin Moaddel

List of Publications by Year in descending order

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168
papers

10,811
citations

53660

45
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37111

96
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177
all docs

177
docs citations

177
times ranked

13497
citing authors

#	ARTICLE	IF	CITATIONS
1	SIRT1 Is Required for AMPK Activation and the Beneficial Effects of Resveratrol on Mitochondrial Function. <i>Cell Metabolism</i> , 2012, 15, 675-690.	7.2	1,251
2	NMDAR inhibition-independent antidepressant actions of ketamine metabolites. <i>Nature</i> , 2016, 533, 481-486.	13.7	1,246
3	Ketamine and Ketamine Metabolite Pharmacology: Insights into Therapeutic Mechanisms. <i>Pharmacological Reviews</i> , 2018, 70, 621-660.	7.1	723
4	Plasma proteomic signature of age in healthy humans. <i>Aging Cell</i> , 2018, 17, e12799.	3.0	325
5	A High-Fat Diet and NAD ⁺ Activate Sirt1 to Rescue Premature Aging in Cockayne Syndrome. <i>Cell Metabolism</i> , 2014, 20, 840-855.	7.2	306
6	Course of Improvement in Depressive Symptoms to a Single Intravenous Infusion of Ketamine vs Add-on Riluzole: Results from a 4-Week, Double-Blind, Placebo-Controlled Study. <i>Neuropsychopharmacology</i> , 2012, 37, 1526-1533.	2.8	262
7	Relationship of Ketamine's Plasma Metabolites with Response, Diagnosis, and Side Effects in Major Depression. <i>Biological Psychiatry</i> , 2012, 72, 331-338.	0.7	230
8	Child Stunting is Associated with Low Circulating Essential Amino Acids. <i>EBioMedicine</i> , 2016, 6, 246-252.	2.7	225
9	Resveratrol Improves Adipose Insulin Signaling and Reduces the Inflammatory Response in Adipose Tissue of Rhesus Monkeys on High-Fat, High-Sugar Diet. <i>Cell Metabolism</i> , 2013, 18, 533-545.	7.2	212
10	Ketamine has distinct electrophysiological and behavioral effects in depressed and healthy subjects. <i>Molecular Psychiatry</i> , 2019, 24, 1040-1052.	4.1	187
11	Sub-anesthetic concentrations of (R,S)-ketamine metabolites inhibit acetylcholine-evoked currents in $\alpha 7$ nicotinic acetylcholine receptors. <i>European Journal of Pharmacology</i> , 2013, 698, 228-234.	1.7	149
12	Inhibition of Breast Cancer Metastasis by Resveratrol-Mediated Inactivation of Tumor-Evoked Regulatory B Cells. <i>Journal of Immunology</i> , 2013, 191, 4141-4151.	0.4	132
13	Discovery proteomics in aging human skeletal muscle finds change in spliceosome, immunity, proteostasis and mitochondria. <i>ELife</i> , 2019, 8, .	2.8	132
14	High-potency ligands for DREADD imaging and activation in rodents and monkeys. <i>Nature Communications</i> , 2019, 10, 4627.	5.8	128
15	Resveratrol Prevents $\beta 2$ -Cell Dedifferentiation in Nonhuman Primates Given a High-Fat/High-Sugar Diet. <i>Diabetes</i> , 2013, 62, 3500-3513.	0.3	122
16	Antidepressant-relevant concentrations of the ketamine metabolite (2 <i>R</i> ,6 <i>R</i>)-TJ-61000 (rgBT) /Overlock 10 Tf 50 147 T Sciences of the United States of America, 2019, 116, 5160-5169.	3.3	120
17	Cannabinoids Inhibit Insulin Receptor Signaling in Pancreatic $\beta 2$ -Cells. <i>Diabetes</i> , 2011, 60, 1198-1209.	0.3	112
18	(2 <i>R</i> ,6 <i>R</i>)-hydroxynorketamine exerts mGlu ₂ receptor-dependent antidepressant actions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6441-6450.	3.3	112

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19	Simultaneous population pharmacokinetic modelling of ketamine and three major metabolites in patients with treatment-resistant bipolar depression. <i>British Journal of Clinical Pharmacology</i> , 2012, 74, 304-314.	1.1	109
20	Comparison of analytical techniques for the identification of bioactive compounds from natural products. <i>Natural Product Reports</i> , 2016, 33, 1131-1145.	5.2	109
21	Natural polyphenols as sirtuin 6 modulators. <i>Scientific Reports</i> , 2018, 8, 4163.	1.6	109
22	(<i>R,S</i>)-Ketamine Metabolites (<i>R,S</i>)-norketamine and (<i>2S,6S</i>)-hydroxynorketamine Increase the Mammalian Target of Rapamycin Function. <i>Anesthesiology</i> , 2014, 121, 149-159.	1.3	96
23	Stereoselective and regiospecific hydroxylation of ketamine and norketamine. <i>Xenobiotica</i> , 2012, 42, 1076-1087.	0.5	95
24	Uniformly-sized, molecularly imprinted polymers for nicotine by precipitation polymerization. <i>Journal of Chromatography A</i> , 2006, 1134, 88-94.	1.8	93
25	Effects of Ketamine and Ketamine Metabolites on Evoked Striatal Dopamine Release, Dopamine Receptors, and Monoamine Transporters. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 359, 159-170.	1.3	89
26	A parallel chiral-achiral liquid chromatographic method for the determination of the stereoisomers of ketamine and ketamine metabolites in the plasma and urine of patients with complex regional pain syndrome. <i>Talanta</i> , 2010, 82, 1892-1904.	2.9	88
27	Displacement and Nonlinear Chromatographic Techniques in the Investigation of Interaction of Noncompetitive Inhibitors with an Immobilized β_2 Nicotinic Acetylcholine Receptor Liquid Chromatographic Stationary Phase. <i>Analytical Chemistry</i> , 2002, 74, 4618-4624.	3.2	85
28	The preparation and development of cellular membrane affinity chromatography columns. <i>Nature Protocols</i> , 2009, 4, 197-205.	5.5	83
29	Plasma metabolomic profiling of a ketamine and placebo crossover trial of major depressive disorder and healthy control subjects. <i>Psychopharmacology</i> , 2018, 235, 3017-3030.	1.5	81
30	Resveratrol Improves Vascular Function and Mitochondrial Number but Not Glucose Metabolism in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 1703-1709.	1.7	79
31	Human CB1 Receptor Isoforms, present in Hepatocytes and β_2 -cells, are Involved in Regulating Metabolism. <i>Scientific Reports</i> , 2016, 6, 33302.	1.6	77
32	Resveratrol and Its Metabolites Bind to PPARs. <i>ChemBioChem</i> , 2014, 15, 1154-1160.	1.3	76
33	Plasma Biomarkers of Poor Muscle Quality in Older Men and Women from the Baltimore Longitudinal Study of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1266-1272.	1.7	75
34	Physical Activity Associated Proteomics of Skeletal Muscle: Being Physically Active in Daily Life May Protect Skeletal Muscle From Aging. <i>Frontiers in Physiology</i> , 2019, 10, 312.	1.3	70
35	Magnetic Ligand Fishing as a Targeting Tool for HPLC-HRMS-SPE-NMR: β -Glucosidase Inhibitory Ligands and Alkylresorcinol Glycosides from <i>Eugenia catharinae</i> . <i>Journal of Natural Products</i> , 2015, 78, 2657-2665.	1.5	68
36	Menthol Alone Upregulates Midbrain nAChRs, Alters nAChR Subtype Stoichiometry, Alters Dopamine Neuron Firing Frequency, and Prevents Nicotine Reward. <i>Journal of Neuroscience</i> , 2016, 36, 2957-2974.	1.7	64

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37	Synthesis and <i>N</i> -Methyl-D-aspartate (NMDA) Receptor Activity of Ketamine Metabolites. <i>Organic Letters</i> , 2017, 19, 4572-4575.	2.4	64
38	D-serine plasma concentration is a potential biomarker of (R,S)-ketamine antidepressant response in subjects with treatment-resistant depression. <i>Psychopharmacology</i> , 2015, 232, 399-409.	1.5	62
39	(<i>R</i>)-Ketamine exerts antidepressant actions partly via conversion to (<i>2R,6R</i>)-hydroxynorketamine, while causing adverse effects at subanaesthetic doses. <i>British Journal of Pharmacology</i> , 2019, 176, 2573-2592.	2.7	61
40	Metabolomic Changes in Serum of Children with Different Clinical Diagnoses of Malnutrition. <i>Journal of Nutrition</i> , 2016, 146, 2436-2444.	1.3	59
41	Proteomics in aging research: A roadmap to clinical, translational research. <i>Aging Cell</i> , 2021, 20, e13325.	3.0	59
42	Immobilized receptor- and transporter-based liquid chromatographic phases for on-line pharmacological and biochemical studies: a mini-review. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 768, 41-53.	1.2	56
43	Hydroxynorketamines: Pharmacology and Potential Therapeutic Applications. <i>Pharmacological Reviews</i> , 2021, 73, 763-791.	7.1	54
44	Development of an immobilized GPR17 receptor stationary phase for binding determination using frontal affinity chromatography coupled to mass spectrometry. <i>Analytical Biochemistry</i> , 2009, 384, 123-129.	1.1	50
45	Long-Term Artificial Sweetener Acesulfame Potassium Treatment Alters Neurometabolic Functions in C57BL/6J Mice. <i>PLoS ONE</i> , 2013, 8, e70257.	1.1	50
46	Breast cancer resistance protein (BCRP/ABCG2) localises to the nucleus in glioblastoma multiforme cells. <i>Xenobiotica</i> , 2012, 42, 748-755.	0.5	48
47	The kynurenine pathway and bipolar disorder: intersection of the monoaminergic and glutamatergic systems and immune response. <i>Molecular Psychiatry</i> , 2021, 26, 4085-4095.	4.1	48
48	Elevated Plasma Growth and Differentiation Factor 15 Is Associated With Slower Gait Speed and Lower Physical Performance in Healthy Community-Dwelling Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 175-180.	1.7	48
49	Conformational Mobility of Immobilized $\hat{1}\pm 3\hat{1}^22$, $\hat{1}\pm 3\hat{1}^24$, $\hat{1}\pm 4\hat{1}^22$, and $\hat{1}\pm 4\hat{1}^24$ Nicotinic Acetylcholine Receptors. <i>Analytical Chemistry</i> , 2005, 77, 895-901.	3.2	47
50	Acetylcholinesterase immobilized capillary reactors coupled to protein coated magnetic beads: A new tool for plant extract ligand screening. <i>Talanta</i> , 2013, 116, 647-652.	2.9	47
51	Ketamine metabolites, clinical response, and gamma power in a randomized, placebo-controlled, crossover trial for treatment-resistant major depression. <i>Neuropsychopharmacology</i> , 2020, 45, 1398-1404.	2.8	47
52	Development and characterization of an open tubular column containing immobilized P-glycoprotein for rapid on-line screening for P-glycoprotein substrates. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 799, 255-263.	1.2	46
53	The synthesis and initial characterization of an immobilized purinergic receptor (P2Y1) liquid chromatography stationary phase for online screening. <i>Analytical Biochemistry</i> , 2007, 364, 216-218.	1.1	46
54	Differential Sensitivity of Prefrontal Cortex and Hippocampus to Alcohol-Induced Toxicity. <i>PLoS ONE</i> , 2014, 9, e106945.	1.1	46

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55	Targeted Metabolomics Shows Low Plasma Lysophosphatidylcholine 18:2 Predicts Greater Decline of Gait Speed in Older Adults: The Baltimore Longitudinal Study of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 62-67.	1.7	46
56	Biological sex and DNA repair deficiency drive Alzheimer's disease via systemic metabolic remodeling and brain mitochondrial dysfunction. <i>Acta Neuropathologica</i> , 2020, 140, 25-47.	3.9	45
57	Resveratrol supplementation confers neuroprotection in cortical brain tissue of nonhuman primates fed a high-fat/sucrose diet. <i>Aging</i> , 2016, 8, 899-916.	1.4	44
58	Perspective: The Potential Role of Essential Amino Acids and the Mechanistic Target of Rapamycin Complex 1 (mTORC1) Pathway in the Pathogenesis of Child Stunting. <i>Advances in Nutrition</i> , 2016, 7, 853-865.	2.9	44
59	Metabolic alterations in children with environmental enteric dysfunction. <i>Scientific Reports</i> , 2016, 6, 28009.	1.6	43
60	Immobilized nicotinic receptor stationary phases: going with the flow in high-throughput screening and pharmacological studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 30, 1715-1724.	1.4	42
61	Allosteric modifiers of neuronal nicotinic acetylcholine receptors: New methods, new opportunities. <i>Medicinal Research Reviews</i> , 2007, 27, 723-753.	5.0	42
62	Environmental Enteric Dysfunction is Associated with Carnitine Deficiency and Altered Fatty Acid Oxidation. <i>EBioMedicine</i> , 2017, 17, 57-66.	2.7	42
63	Development of immobilized membrane-based affinity columns for use in the online characterization of membrane bound proteins and for targeted affinity isolations. <i>Analytica Chimica Acta</i> , 2006, 564, 97-105.	2.6	41
64	Screening of tobacco smoke condensate for nicotinic acetylcholine receptor ligands using cellular membrane affinity chromatography columns and missing peak chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 238-246.	1.4	41
65	Interaction of Bupropion with Muscle-Type Nicotinic Acetylcholine Receptors in Different Conformational States. <i>Biochemistry</i> , 2009, 48, 4506-4518.	1.2	41
66	Mouse, rat, and dog bioavailability and mouse oral antidepressant efficacy of (2 <i>R</i> ,6 <i>R</i>)-hydroxynorketamine. <i>Journal of Psychopharmacology</i> , 2019, 33, 12-24.	2.0	41
67	Kynurenines link chronic inflammation to functional decline and physical frailty. <i>JCI Insight</i> , 2020, 5, .	2.3	40
68	Randomized Pharmacokinetic Crossover Study Comparing 2 Curcumin Preparations in Plasma and Rectal Tissue of Healthy Human Volunteers. <i>Journal of Clinical Pharmacology</i> , 2017, 57, 185-193.	1.0	39
69	Synthesis and characterization of a SIRT6 open tubular column: Predicting deacetylation activity using frontal chromatography. <i>Analytical Biochemistry</i> , 2013, 436, 78-83.	1.1	37
70	The Identification of a SIRT6 Activator from Brown Algae <i>Fucus distichus</i> . <i>Marine Drugs</i> , 2017, 15, 190.	2.2	37
71	Direct Chromatographic Determination of Dissociation Rate Constants of Ligand-Receptor Complexes: An Assessment of the Interaction of Noncompetitive Inhibitors with an Immobilized Nicotinic Acetylcholine Receptor-Based Liquid Chromatography Stationary Phase. <i>Analytical Chemistry</i> , 2005, 77, 5421-5426.	3.2	36
72	Development and characterization of an immobilized enzyme reactor (IMER) based on human glyceraldehyde-3-phosphate dehydrogenase for on-line enzymatic studies. <i>Journal of Chromatography A</i> , 2006, 1120, 151-157.	1.8	36

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73	The association of serum choline with linear growth failure in young children from rural Malawi. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 191-197.	2.2	36
74	Multiple receptor liquid chromatographic stationary phases: the co-immobilization of nicotinic receptors, gamma-amino-butyric acid receptors, and N-methyl D-aspartate receptors. <i>Pharmaceutical Research</i> , 2002, 19, 104-107.	1.7	35
75	Tricyclic antidepressants and mecamylamine bind to different sites in the human $\alpha 4\beta 2$ nicotinic receptor ion channel. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1007-1018.	1.2	35
76	What is hydroxynorketamine and what can it bring to neurotherapeutics?. <i>Expert Review of Neurotherapeutics</i> , 2014, 14, 1239-1242.	1.4	35
77	Searching for a mitochondrial root to the decline in muscle function with ageing. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018, 9, 435-440.	2.9	35
78	Assessment of NAD ⁺ metabolism in human cell cultures, erythrocytes, cerebrospinal fluid and primate skeletal muscle. <i>Analytical Biochemistry</i> , 2019, 572, 1-8.	1.1	35
79	N ⁺ -Acylethanolamines Bind to SIRT6. <i>ChemBioChem</i> , 2016, 17, 77-81.	1.3	34
80	Low plasma lysophosphatidylcholines are associated with impaired mitochondrial oxidative capacity in adults in the Baltimore Longitudinal Study of Aging. <i>Aging Cell</i> , 2019, 18, e12915.	3.0	34
81	The distribution and clearance of (2S,6S)-hydroxynorketamine, an active ketamine metabolite, in Wistar rats. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00157.	1.1	33
82	The development and characterization of protein-based stationary phases for studying drug-protein and protein-protein interactions. <i>Journal of Chromatography A</i> , 2011, 1218, 8791-8798.	1.8	32
83	Identification of CB1/CB2 Ligands from <i>Zanthoxylum bungeanum</i> . <i>Journal of Natural Products</i> , 2013, 76, 2060-2064.	1.5	32
84	Initial Synthesis and Characterization of an $\alpha 7$ Nicotinic Receptor Cellular Membrane Affinity Chromatography Column: Effect of Receptor Subtype and Cell Type. <i>Analytical Chemistry</i> , 2008, 80, 48-54.	3.2	31
85	Multidimensional on-line screening for ligands to the $\alpha 3\beta 4$ neuronal nicotinic acetylcholine receptor using an immobilized nicotinic receptor liquid chromatographic stationary phase. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 772, 155-161.	1.2	29
86	Zanos et al. reply. <i>Nature</i> , 2017, 546, E4-E5.	13.7	29
87	Cannabinoid Receptor-2 Ameliorates Inflammation in Murine Model of Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2017, 11, 1369-1380.	0.6	29
88	On-line screening of conformationally constrained nictines and anabasines for agonist activity at the $\alpha 3\beta 4$ - and $\alpha 4\beta 2$ -nicotinic acetylcholine receptors using immobilized receptor-based liquid chromatographic stationary phases. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 813, 235-240.	1.2	28
89	Identification of P-glycoprotein substrates using open tubular chromatography on an immobilized P-glycoprotein column: Comparison of chromatographic results with Caco-2 permeability. <i>Analytica Chimica Acta</i> , 2006, 578, 25-30.	2.6	28
90	Capillary electrophoresis-laser-induced fluorescence (CE-LIF) assay for measurement of intracellular d-serine and serine racemase activity. <i>Analytical Biochemistry</i> , 2012, 421, 460-466.	1.1	28

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91	Investigations on the 4-Quinolone-3-Carboxylic Acid Motif Part 5: Modulation of the Physicochemical Profile of a Set of Potent and Selective Cannabinoid Receptor Ligands through a Bioisosteric Approach. <i>ChemMedChem</i> , 2012, 7, 920-934.	1.6	27
92	Magnetic beads-based neuraminidase enzyme microreactor as a drug discovery tool for screening inhibitors from compound libraries and fishing ligands from natural products. <i>Journal of Chromatography A</i> , 2018, 1568, 123-130.	1.8	27
93	Conformational mobility of immobilized proteins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 399-406.	1.4	26
94	Nicotinic acetylcholine receptor antagonists alter the function and expression of serine racemase in PC-12 and 1321N1 cells. <i>Cellular Signalling</i> , 2013, 25, 2634-2645.	1.7	26
95	Development and characterization of the $\hat{1}\pm 3\hat{1}^{24}\hat{1}\pm 5$ nicotinic receptor cellular membrane affinity chromatography column and its application for on line screening of plant extracts. <i>Journal of Chromatography A</i> , 2016, 1431, 138-144.	1.8	26
96	Altered Plasma Amino Acids and Lipids Associated With Abnormal Glucose Metabolism and Insulin Resistance in Older Adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 3331-3339.	1.8	26
97	Interaction of ibogaine with human $\hat{1}\pm 3\hat{1}^{24}$ -nicotinic acetylcholine receptors in different conformational states. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 1525-1535.	1.2	25
98	Rapid screening and identification of monoamine oxidase-A inhibitors from <i>Corydalis</i> Rhizome using enzyme-immobilized magnetic beads based method. <i>Journal of Chromatography A</i> , 2019, 1592, 1-8.	1.8	25
99	Plasma metabolites associated with chronic kidney disease and renal function in adults from the Baltimore Longitudinal Study of Aging. <i>Metabolomics</i> , 2021, 17, 9.	1.4	25
100	Interaction of Noncompetitive Inhibitors with the $\hat{1}\pm 3\hat{1}^{22}$ Nicotinic Acetylcholine Receptor Investigated by Affinity Chromatography and Molecular Docking. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6279-6283.	2.9	24
101	Initial synthesis and characterization of an immobilized heat shock protein 90 column for online determination of binding affinities. <i>Analytical Biochemistry</i> , 2008, 373, 313-321.	1.1	24
102	Alcohol-induced One-carbon Metabolism Impairment Promotes Dysfunction of DNA Base Excision Repair in Adult Brain. <i>Journal of Biological Chemistry</i> , 2012, 287, 43533-43542.	1.6	24
103	Low serum $\hat{1}\%_{-3}$ and $\hat{1}\%_{-6}$ polyunsaturated fatty acids and other metabolites are associated with poor linear growth in young children from rural Malawi. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 1490-1499.	2.2	24
104	Tetra-linoleoyl cardiolipin depletion plays a major role in the pathogenesis of sarcopenia. <i>Medical Hypotheses</i> , 2019, 127, 142-149.	0.8	24
105	Cross-sectional analysis of plasma and CSF metabolomic markers in Huntington's disease for participants of varying functional disability: a pilot study. <i>Scientific Reports</i> , 2020, 10, 20490.	1.6	24
106	Effects of galloflavin and ellagic acid on sirtuin 6 and its anti-tumorigenic activities. <i>Biomedicine and Pharmacotherapy</i> , 2020, 131, 110701.	2.5	23
107	A brain proteomic signature of incipient Alzheimer's disease in young $\hat{1}\mu 4$ carriers identifies novel drug targets. <i>Science Advances</i> , 2021, 7, eabi8178.	4.7	23
108	A novel mixed phospholipid functionalized monolithic column for early screening of drug induced phospholipidosis risk. <i>Journal of Chromatography A</i> , 2014, 1367, 99-108.	1.8	22

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109	Reply to: Antidepressant Actions of Ketamine Versus Hydroxynorketamine. <i>Biological Psychiatry</i> , 2017, 81, e69-e71.	0.7	22
110	Conserved and species-specific molecular denominators in mammalian skeletal muscle aging. <i>Npj Aging and Mechanisms of Disease</i> , 2017, 3, 8.	4.5	21
111	Targeting Anti-Cancer Active Compounds: Affinity-Based Chromatographic Assays. <i>Current Pharmaceutical Design</i> , 2016, 22, 5976-5987.	0.9	21
112	Synthesis and characterization of a cellular membrane affinity chromatography column containing histamine 1 and P2Y1 receptors: A multiple G-protein coupled receptor column. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 416-419.	1.4	20
113	(R)-4-methoxy-1-naphthylfenoterol targets GPR55-mediated ligand internalization and impairs cancer cell motility. <i>Biochemical Pharmacology</i> , 2014, 87, 547-561.	2.0	20
114	Ketamine Metabolites Enantioselectively Decrease Intracellular D-Serine Concentrations in PC-12 Cells. <i>PLoS ONE</i> , 2016, 11, e0149499.	1.1	20
115	Environmental Enteric Dysfunction Is Associated With Altered Bile Acid Metabolism. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017, 64, 536-540.	0.9	19
116	Preparation of a biomimetic polyphosphorylcholine monolithic column for immobilized artificial membrane chromatography. <i>Journal of Chromatography A</i> , 2015, 1407, 176-183.	1.8	18
117	The synthesis and characterization of cellular membrane affinity chromatography columns for the study of human multidrug resistant proteins MRP1, MRP2 and human breast cancer resistant protein BCRP using membranes obtained from <i>Spodoptera frugiperda</i> (Sf9) insect cells. <i>Talanta</i> , 2010, 81, 1477-1481.	2.9	17
118	Targeted Deletion of Interleukin-6 in a Mouse Model of Chronic Inflammation Demonstrates Opposing Roles in Aging: Benefit and Harm. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 211-215.	1.7	17
119	Qualitative assessment of IC50 values of inhibitors of the neuronal nicotinic acetylcholine receptor using a single chromatographic experiment and multivariate cluster analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 819, 169-174.	1.2	16
120	Exploring enantiospecific ligand-protein interactions using cellular membrane affinity chromatography: Chiral recognition as a dynamic process. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 200-207.	1.2	16
121	Ligand fishing using new chitosan based functionalized Androgen Receptor magnetic particles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 127, 129-135.	1.4	16
122	Coaxing a Pyridine Nucleus To Give Up Its Aromaticity: Synthesis and Pharmacological Characterization of Novel Conformationally Restricted Analogues of Nicotine and Anabasine. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 6691-6701.	2.9	15
123	Acetylcholinesterase immobilized on modified magnetic beads as a tool for screening a compound library. <i>Mikrochimica Acta</i> , 2015, 182, 2209-2213.	2.5	15
124	A comparison of the pharmacokinetics and NMDAR antagonism-associated neurotoxicity of ketamine, (2R,6R)-hydroxynorketamine and MK-801. <i>Neurotoxicology and Teratology</i> , 2021, 87, 106993.	1.2	15
125	Hydroxynorketamine Pharmacokinetics and Antidepressant Behavioral Effects of (2 <i>R</i>)- and (5 <i>R</i>)-Methyl-(2 <i>R</i>)-hydroxynorketamines. <i>ACS Chemical Neuroscience</i> , 2022, 13, 510-523.	1.7	15
126	Target deconvolution studies of (2R,6R)-hydroxynorketamine: an elusive search. <i>Molecular Psychiatry</i> , 2022, 27, 4144-4156.	4.1	15

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127	Interaction of cepharanthine with immobilized heat shock protein 90 \pm (Hsp90 \pm) and screening of Hsp90 \pm inhibitors. <i>Analytical Biochemistry</i> , 2013, 434, 202-206.	1.1	14
128	Serum lipids in adults with late age-related macular degeneration: a case-control study. <i>Lipids in Health and Disease</i> , 2019, 18, 7.	1.2	13
129	Proteomic signatures of in vivo muscle oxidative capacity in healthy adults. <i>Aging Cell</i> , 2020, 19, e13124.	3.0	13
130	Identification of gingerenone A as a novel senolytic compound. <i>PLoS ONE</i> , 2022, 17, e0266135.	1.1	13
131	Antitumor activity of (<i>R,R</i> - α -methoxy-1-naphthylfenoterol) in a rat C6 glioma xenograft model in the mouse. <i>Pharmacology Research and Perspectives</i> , 2013, 1, e00010.	1.1	12
132	Prion protein-coated magnetic beads: Synthesis, characterization and development of a new ligands screening method. <i>Journal of Chromatography A</i> , 2015, 1379, 1-8.	1.8	12
133	Relationship of Circulating Growth and Differentiation Factors 8 and 11 and Their Antagonists as Measured Using Liquid Chromatography-Tandem Mass Spectrometry With Age and Skeletal Muscle Strength in Healthy Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 129-136.	1.7	12
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