

Ruin Moaddel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155
papers

7,773
citations

41
h-index

84
g-index

177
ext. papers

9,461
ext. citations

6.4
avg, IF

5.82
L-index

#	Paper	IF	Citations
155	Proteins in the pathway from high red blood cell width distribution to all-cause mortality.. <i>EBioMedicine</i> , 2022 , 76, 103816	8.8	1
154	Hydroxynorketamine Pharmacokinetics and Antidepressant Behavioral Effects of (26)- and (5)-Methyl-(26)-hydroxynorketamines.. <i>ACS Chemical Neuroscience</i> , 2022 ,	5.7	1
153	Identification of gingerenone A as a novel senolytic compound.. <i>PLoS ONE</i> , 2022 , 17, e0266135	3.7	3
152	Comparative metabolomic analysis in plasma and cerebrospinal fluid of humans and in plasma and brain of mice following antidepressant-dose ketamine administration.. <i>Translational Psychiatry</i> , 2022 , 12, 179	8.6	1
151	Understanding the Human Aging Proteome Using Epidemiological Models. <i>Methods in Molecular Biology</i> , 2022 , 173-192	1.4	
150	The kynurenine pathway and bipolar disorder: intersection of the monoaminergic and glutamatergic systems and immune response. <i>Molecular Psychiatry</i> , 2021 , 26, 4085-4095	15.1	24
149	A brain proteomic signature of incipient Alzheimer's disease in young ϵ carriers identifies novel drug targets. <i>Science Advances</i> , 2021 , 7, eabi8178	14.3	2
148	Hydroxynorketamines: Pharmacology and Potential Therapeutic Applications. <i>Pharmacological Reviews</i> , 2021 , 73, 763-791	22.5	17
147	Proteomics in aging research: A roadmap to clinical, translational research. <i>Aging Cell</i> , 2021 , 20, e13325	9.9	10
146	Proteomics and Epidemiological Models of Human Aging. <i>Frontiers in Physiology</i> , 2021 , 12, 674013	4.6	2
145	The synthesis and characterization of Bri2 BRICHOS coated magnetic particles and their application to protein fishing: Identification of novel binding proteins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 198, 113996	3.5	0
144	Ketamine for Refractory Chronic Migraine: An Observational Pilot Study and Metabolite Analysis. <i>Journal of Clinical Pharmacology</i> , 2021 , 61, 1421-1429	2.9	1
143	Screening of SIRT6 inhibitors and activators: A novel activator has an impact on breast cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 138, 111452	7.5	4
142	Metabolomic profiles of being physically active and less sedentary: a critical review. <i>Metabolomics</i> , 2021 , 17, 68	4.7	1
141	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	6.4	8
140	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	3.9	4
139	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	4.7	8

138	Sex-dependent metabolism of ketamine and ()-hydroxynorketamine in mice and humans.. <i>Journal of Psychopharmacology</i> , 2021 , 2698811211064922	4.6	0
137	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	4.9	8
136	Proteomic signatures of in vivo muscle oxidative capacity in healthy adults. <i>Aging Cell</i> , 2020 , 19, e13124	9.9	7
135	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	14.3	15
134	Kynurenines link chronic inflammation to functional decline and physical frailty. <i>JCI Insight</i> , 2020 , 5,	9.9	11
133	Effects of galloflavin and ellagic acid on sirtuin 6 and its anti-tumorigenic activities. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 131, 110701	7.5	7
132	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	6.4	27
131	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	8.7	20
130	Serum Amino Acid Concentrations in Infants from Malawi are Associated with Linear Growth. <i>Current Developments in Nutrition</i> , 2019 , 3, nzz100	0.4	4
129	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	9.9	20
128	Tetra-linoleoyl cardiolipin depletion plays a major role in the pathogenesis of sarcopenia. <i>Medical Hypotheses</i> , 2019 , 127, 142-149	3.8	14
127	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	4.6	33
126	()-hydroxynorketamine exerts mGlu receptor-dependent antidepressant actions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6441-6450	11.5	73
125	(R)-Ketamine exerts antidepressant actions partly via conversion to (2R,6R)-hydroxynorketamine, while causing adverse effects at sub-anaesthetic doses. <i>British Journal of Pharmacology</i> , 2019 , 176, 2573-2592	8.6	38
124	Antidepressant-relevant concentrations of the ketamine metabolite (2,6)-hydroxynorketamine do not block NMDA receptor function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5160-5169	11.5	77
123	Rapid screening and identification of monoamine oxidase-A inhibitors from Corydalis Rhizome using enzyme-immobilized magnetic beads based method. <i>Journal of Chromatography A</i> , 2019 , 1592, 1-8	4.5	19
122	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	6.4	27
121	High-potency ligands for DREADD imaging and activation in rodents and monkeys. <i>Nature Communications</i> , 2019 , 10, 4627	17.4	64

120	Discovery proteomics in aging human skeletal muscle finds change in spliceosome, immunity, proteostasis and mitochondria. <i>ELife</i> , 2019 , 8,	8.9	60
119	Assessment of NADmetabolism in human cell cultures, erythrocytes, cerebrospinal fluid and primate skeletal muscle. <i>Analytical Biochemistry</i> , 2019 , 572, 1-8	3.1	14
118	Serum lipids in adults with late age-related macular degeneration: a case-control study. <i>Lipids in Health and Disease</i> , 2019 , 18, 7	4.4	4
117	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	6.4	8
116	Mouse, rat, and dog bioavailability and mouse oral antidepressant efficacy of ()-hydroxynorketamine. <i>Journal of Psychopharmacology</i> , 2019 , 33, 12-24	4.6	21
115	Ketamine has distinct electrophysiological and behavioral effects in depressed and healthy subjects. <i>Molecular Psychiatry</i> , 2019 , 24, 1040-1052	15.1	123
114	Natural polyphenols as sirtuin 6 modulators. <i>Scientific Reports</i> , 2018 , 8, 4163	4.9	81
113	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	4.5	19
112	Plasma proteomic signature of age in healthy humans. <i>Aging Cell</i> , 2018 , 17, e12799	9.9	167
111	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	4.7	53
110	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	5.6	16
109	Ketamine and Ketamine Metabolite Pharmacology: Insights into Therapeutic Mechanisms. <i>Pharmacological Reviews</i> , 2018 , 70, 621-660	22.5	395
108	Environmental Enteric Dysfunction Is Associated With Altered Bile Acid Metabolism. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017 , 64, 536-540	2.8	15
107	Development and characterization of mitochondrial membrane affinity chromatography columns derived from skeletal muscle and platelets for the study of mitochondrial transmembrane proteins. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1055-1056, 144-148	3.2	4
106	Targeted proteomics of cannabinoid receptor CB1 and the CB1b isoform. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 144, 154-158	3.5	5
105	A targeted proteomic assay for the measurement of plasma proteoforms related to human aging phenotypes. <i>Proteomics</i> , 2017 , 17, 1600232	4.8	5
104	Zanos et al. reply. <i>Nature</i> , 2017 , 546, E4-E5	50.4	21
103	Conserved and species-specific molecular denominators in mammalian skeletal muscle aging. <i>Npj Aging and Mechanisms of Disease</i> , 2017 , 3, 8	5.5	12

102	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	6.4	52
101	Environmental Enteric Dysfunction is Associated with Carnitine Deficiency and Altered Fatty Acid Oxidation. <i>EBioMedicine</i> , 2017 , 17, 57-66	8.8	25
100	Low serum ω -3 and ω -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	7	18
99	Synthesis and N-Methyl-d-aspartate (NMDA) Receptor Activity of Ketamine Metabolites. <i>Organic Letters</i> , 2017 , 19, 4572-4575	6.2	38
98	Cannabinoid Receptor-2 Ameliorates Inflammation in Murine Model of Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2017 , 11, 1369-1380	1.5	21
97	A robotic protocol for high-throughput processing of samples for selected reaction monitoring assays. <i>Proteomics</i> , 2017 , 17, 1600339	4.8	10
96	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	2.9	32
95	Reply to: Antidepressant Actions of Ketamine Versus Hydroxynorketamine. <i>Biological Psychiatry</i> , 2017 , 81, e69-e71	7.9	20
94	The Identification of a SIRT6 Activator from Brown Algae <i>Fucus distichus</i> . <i>Marine Drugs</i> , 2017 , 15,	6	28
93	Human CB1 Receptor Isoforms, present in Hepatocytes and β cells, are Involved in Regulating Metabolism. <i>Scientific Reports</i> , 2016 , 6, 33302	4.9	57
92	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, 853-855	10	25
91	Metabolomic Changes in Serum of Children with Different Clinical Diagnoses of Malnutrition. <i>Journal of Nutrition</i> , 2016 , 146, 2436-2444	4.1	40
90	Sirtuin 6 (SIRT6) Activity Assays. <i>Methods in Molecular Biology</i> , 2016 , 1436, 259-69	1.4	6
89	Development and characterization of the α -bungarotoxin 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	4.5	19
88	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, 2957-74	6.6	53
87	Targeting Anti-Cancer Active Compounds: Affinity-Based Chromatographic Assays. <i>Current Pharmaceutical Design</i> , 2016 , 22, 5976-5987	3.3	19
86	Resveratrol supplementation confers neuroprotection in cortical brain tissue of nonhuman primates fed a high-fat/sucrose diet. <i>Aging</i> , 2016 , 8, 899-916	5.6	38
85	Ketamine Metabolites Enantioselectively Decrease Intracellular D-Serine Concentrations in PC-12 Cells. <i>PLoS ONE</i> , 2016 , 11, e0149499	3.7	15

84	Comparison of analytical techniques for the identification of bioactive compounds from natural products. <i>Natural Product Reports</i> , 2016 , 33, 1131-45	15.1	80
83	The association of serum choline with linear growth failure in young children from rural Malawi. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 191-7	7	26
82	Metabolic alterations in children with environmental enteric dysfunction. <i>Scientific Reports</i> , 2016 , 6, 28009	9.9	29
81	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, 1266-72	6.4	54
80	Ligand fishing using new chitosan based functionalized Androgen Receptor magnetic particles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 127, 129-35	3.5	12
79	Child Stunting is Associated with Low Circulating Essential Amino Acids. <i>EBioMedicine</i> , 2016 , 6, 246-252	8.8	149
78	NMDAR inhibition-independent antidepressant actions of ketamine metabolites. <i>Nature</i> , 2016 , 533, 481-6	50.4	903
77	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, 159-70	4.7	61
76	N-Acylethanolamines Bind to SIRT6. <i>ChemBioChem</i> , 2016 , 17, 77-81	3.8	28
75	Preparation of a biomimetic polyphosphorylcholine monolithic column for immobilized artificial membrane chromatography. <i>Journal of Chromatography A</i> , 2015 , 1407, 176-83	4.5	16
74	Magnetic Ligand Fishing as a Targeting Tool for HPLC-HRMS-SPE-NMR: α -Glucosidase Inhibitory Ligands and Alkylresorcinol Glycosides from <i>Eugenia catharinae</i> . <i>Journal of Natural Products</i> , 2015 , 78, 2657-65	4.9	59
73	Acetylcholinesterase immobilized on modified magnetic beads as a tool for screening a compound library. <i>Mikrochimica Acta</i> , 2015 , 182, 2209-2213	5.8	13
72	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	4.5	9
71	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	4.7	52
70	The distribution and clearance of (2S,6S)-hydroxynorketamine, an active ketamine metabolite, in Wistar rats. <i>Pharmacology Research and Perspectives</i> , 2015 , 3, e00157	3.1	26
69	Enantioselective inhibition of d-serine transport by (S)-ketamine. <i>British Journal of Pharmacology</i> , 2015 , 172, 4546-4559	8.6	7
68	Resveratrol and its metabolites bind to PPARs. <i>ChemBioChem</i> , 2014 , 15, 1154-1160	3.8	62
67	A high-fat diet and NAD(+) activate Sirt1 to rescue premature aging in cockayne syndrome. <i>Cell Metabolism</i> , 2014 , 20, 840-855	24.6	232

66	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	4.5	17
65	(R,R)-4-methoxy-1-naphthylfenoterol targets GPR55-mediated ligand internalization and impairs cancer cell motility. <i>Biochemical Pharmacology</i> , 2014 , 87, 547-61	6	18
64	Differential sensitivity of prefrontal cortex and hippocampus to alcohol-induced toxicity. <i>PLoS ONE</i> , 2014 , 9, e106945	3.7	29
63	The effect of repeated intramuscular alfentanil injections on experimental pain and abuse liability indices in healthy males. <i>Clinical Journal of Pain</i> , 2014 , 30, 36-45	3.5	8
62	(R,S)-Ketamine metabolites (R,S)-norketamine and (2S,6S)-hydroxynorketamine increase the mammalian target of rapamycin function. <i>Anesthesiology</i> , 2014 , 121, 149-59	4.3	83
61	Interaction of cepharanthine with immobilized heat shock protein 90 (Hsp90) and screening of Hsp90 inhibitors. <i>Analytical Biochemistry</i> , 2013 , 434, 202-6	3.1	13
60	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, 533-45	24.6	183
59	Resveratrol prevents cell dedifferentiation in nonhuman primates given a high-fat/high-sugar diet. <i>Diabetes</i> , 2013 , 62, 3500-13	0.9	106
58	Inhibition of breast cancer metastasis by resveratrol-mediated inactivation of tumor-evoked regulatory B cells. <i>Journal of Immunology</i> , 2013 , 191, 4141-51	5.3	99
57	Identification of CB1/CB2 ligands from <i>Zanthoxylum bungeanum</i> . <i>Journal of Natural Products</i> , 2013 , 76, 2060-4	4.9	24
56	Synthesis and characterization of a SIRT6 open tubular column: predicting deacetylation activity using frontal chromatography. <i>Analytical Biochemistry</i> , 2013 , 436, 78-83	3.1	33
55	Acetylcholinesterase immobilized capillary reactors coupled to protein coated magnetic beads: a new tool for plant extract ligand screening. <i>Talanta</i> , 2013 , 116, 647-52	6.2	44
54	Sub-anesthetic concentrations of (R,S)-ketamine metabolites inhibit acetylcholine-evoked currents in α 7 nicotinic acetylcholine receptors. <i>European Journal of Pharmacology</i> , 2013 , 698, 228-34	5.3	116
53	Nicotinic acetylcholine receptor antagonists alter the function and expression of serine racemase in PC-12 and 1321N1 cells. <i>Cellular Signalling</i> , 2013 , 25, 2634-45	4.9	22
52	Antitumor activity of (R,R)-4-methoxy-1-naphthylfenoterol in a rat C6 glioma xenograft model in the mouse. <i>Pharmacology Research and Perspectives</i> , 2013 , 1, e00010	3.1	11
51	Long-term artificial sweetener acesulfame potassium treatment alters neurometabolic functions in C57BL/6J mice. <i>PLoS ONE</i> , 2013 , 8, e70257	3.7	31
50	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, 304-14	3.8	86
49	SIRT1 is required for AMPK activation and the beneficial effects of resveratrol on mitochondrial function. <i>Cell Metabolism</i> , 2012 , 15, 675-90	24.6	1032

48	Breast cancer resistance protein (BCRP/ABCG2) localises to the nucleus in glioblastoma multiforme cells. <i>Xenobiotica</i> , 2012 , 42, 748-55	2	36
47	Relationship of ketamine's plasma metabolites with response, diagnosis, and side effects in major depression. <i>Biological Psychiatry</i> , 2012 , 72, 331-8	7.9	187
46	Investigations on the 4-quinolone-3-carboxylic acid motif part 5: modulation of the physicochemical profile of a set of potent and selective cannabinoid-2 receptor ligands through a bioisosteric approach. <i>ChemMedChem</i> , 2012 , 7, 920-34	3.7	24
45	Capillary electrophoresis-laser-induced fluorescence (CE-LIF) assay for measurement of intracellular D-serine and serine racemase activity. <i>Analytical Biochemistry</i> , 2012 , 421, 460-6	3.1	23
44	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, 1526-33	8.7	225
43	Alcohol-induced one-carbon metabolism impairment promotes dysfunction of DNA base excision repair in adult brain. <i>Journal of Biological Chemistry</i> , 2012 , 287, 43533-42	5.4	24
42	Stereoselective and regiospecific hydroxylation of ketamine and norketamine. <i>Xenobiotica</i> , 2012 , 42, 1076-87	2	75
41	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, 8791-8	4.5	29
40	Cannabinoids inhibit insulin receptor signaling in pancreatic β cells. <i>Diabetes</i> , 2011 , 60, 1198-209	0.9	98
39	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, 1007-18	5.6	30
38	Interaction of ibogaine with human $\alpha 3 \beta 4$ -nicotinic acetylcholine receptors in different conformational states. <i>International Journal of Biochemistry and Cell Biology</i> , 2010 , 42, 1525-35	5.6	19
37	Interaction of 18-methoxycoronaridine with nicotinic acetylcholine receptors in different conformational states. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010 , 1798, 1153-63	3.8	11
36	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, 1477-81	6.2	15
35	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, 1892-904	6.2	79
34	Synthesis and characterization of a cellular membrane affinity chromatography column containing histamine 1 and P2Y(1) receptors: a multiple G-protein coupled receptor column. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 52, 416-9	3.5	18
33	Interaction of tricyclic antidepressants with the human (h) $\alpha 4 \beta 2$ nicotinic receptor. <i>FASEB Journal</i> , 2010 , 24, 579.3	0.9	
32	The preparation and development of cellular membrane affinity chromatography columns. <i>Nature Protocols</i> , 2009 , 4, 197-205	18.8	77
31	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, 123-9 ^{3.1}		44

30	Interaction of bupropion with muscle-type nicotinic acetylcholine receptors in different conformational states. <i>Biochemistry</i> , 2009 , 48, 4506-18	3.2	33
29	Initial synthesis and characterization of an alpha7 nicotinic receptor cellular membrane affinity chromatography column: effect of receptor subtype and cell type. <i>Analytical Chemistry</i> , 2008 , 80, 48-54	7.8	29
28	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, 200-7	3.2	14
27	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, 238-46	3.5	35
26	Initial synthesis and characterization of an immobilized heat shock protein 90 column for online determination of binding affinities. <i>Analytical Biochemistry</i> , 2008 , 373, 313-21	3.1	22
25	Allosteric modifiers of neuronal nicotinic acetylcholine receptors: new methods, new opportunities. <i>Medicinal Research Reviews</i> , 2007 , 27, 723-53	14.4	37
24	The synthesis and initial characterization of an immobilized purinergic receptor (P2Y1) liquid chromatography stationary phase for online screening. <i>Analytical Biochemistry</i> , 2007 , 364, 216-8	3.1	36
23	Conformational mobility of immobilized proteins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 43, 399-406	3.5	24
22	Immobilized P2X2 purinergic receptor stationary phase for chromatographic determination of pharmacological properties and drug screening. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 44, 701-10	3.5	6
21	Interaction of noncompetitive inhibitors with the alpha3beta2 nicotinic acetylcholine receptor investigated by affinity chromatography and molecular docking. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 6279-83	8.3	22
20	Synthesis of an immobilized Bombyx mori pheromone-binding protein liquid chromatography stationary phase. <i>Talanta</i> , 2006 , 70, 752-5	6.2	6
19	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	6.6	38
18	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	6.6	27
17	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, 151-7	4.5	35
16	Uniformly-sized, molecularly imprinted polymers for nicotine by precipitation polymerization. <i>Journal of Chromatography A</i> , 2006 , 1134, 88-94	4.5	82
15	Non-competitive inhibitory activities of morphinan and morphine derivatives at the alpha 3 beta 4 Neuronal nicotinic acetylcholine receptor determined using nonlinear chromatography and chemometric techniques. <i>Pharmaceutical Research</i> , 2006 , 23, 2175-82	4.5	4
14	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, 169-74	3.2	15
13	The synthesis and initial characterization of an immobilized DNA unwinding element binding (DUE-B) protein chromatographic stationary phase. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 820, 197-203	3.2	4

12	Conformational mobility of immobilized alpha3beta2, alpha3beta4, alpha4beta2, and alpha4beta4 nicotinic acetylcholine receptors. <i>Analytical Chemistry</i> , 2005 , 77, 895-901	7.8	43
11	Direct chromatographic determination of dissociation rate constants of ligand-receptor complexes: assessment of the interaction of noncompetitive inhibitors with an immobilized nicotinic acetylcholine receptor-based liquid chromatography stationary phase. <i>Analytical Chemistry</i> , 2005 , 77, 5181-4	7.8	31
10	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, 255-63	3.2	42
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6	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	3.2	48
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