

# David A Barrett

## List of Publications by Year in descending order

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219  
papers

14,614  
citations

28190

55  
h-index

22764

112  
g-index

225  
all docs

225  
docs citations

225  
times ranked

21723  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proposed minimum reporting standards for chemical analysis. <i>Metabolomics</i> , 2007, 3, 211-221.	1.4	3,589
2	Sustained translational repression by eIF2 $\gamma$ -P mediates prion neurodegeneration. <i>Nature</i> , 2012, 485, 507-511.	13.7	538
3	Oral Treatment Targeting the Unfolded Protein Response Prevents Neurodegeneration and Clinical Disease in Prion-Infected Mice. <i>Science Translational Medicine</i> , 2013, 5, 206ra138.	5.8	480
4	Glutathione S-transferase M1 polymorphism and metabolism of sulforaphane from standard and high-glucosinolate broccoli. <i>American Journal of Clinical Nutrition</i> , 2005, 82, 1283-1291.	2.2	276
5	Partial restoration of protein synthesis rates by the small molecule ISRIB prevents neurodegeneration without pancreatic toxicity. <i>Cell Death and Disease</i> , 2015, 6, e1672-e1672.	2.7	260
6	Characterisation of the cannabinoid receptor system in synovial tissue and fluid in patients with osteoarthritis and rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2008, 10, R43.	1.6	251
7	Repurposed drugs targeting eIF2 $\gamma$ -P-mediated translational repression prevent neurodegeneration in mice. <i>Brain</i> , 2017, 140, 1768-1783.	3.7	236
8	“Entourage” effects of N-palmitoylethanolamide and N-oleoylethanolamide on vasorelaxation to anandamide occur through TRPV1 receptors. <i>British Journal of Pharmacology</i> , 2008, 155, 837-846.	2.7	222
9	The stability of amoxicillin, clarithromycin and metronidazole in gastric juice: relevance to the treatment of <i>Helicobacter pylori</i> infection. <i>Journal of Antimicrobial Chemotherapy</i> , 1997, 39, 5-12.	1.3	218
10	Surface Analysis under Ambient Conditions Using Plasma-Assisted Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 6094-6101.	3.2	217
11	Effect of omeprazole on the distribution of metronidazole, amoxicillin, and clarithromycin in human gastric juice. <i>Gastroenterology</i> , 1996, 111, 358-367.	0.6	216
12	Efficacy and Safety of Cannabidiol and Tetrahydrocannabivarin on Glycemic and Lipid Parameters in Patients With Type 2 Diabetes: A Randomized, Double-Blind, Placebo-Controlled, Parallel Group Pilot Study. <i>Diabetes Care</i> , 2016, 39, 1777-1786.	4.3	191
13	Functional Genetic Analysis Reveals a 2-Alkyl-4-Quinolone Signaling System in the Human Pathogen <i>Burkholderia pseudomallei</i> and Related Bacteria. <i>Chemistry and Biology</i> , 2006, 13, 701-710.	6.2	169
14	Simultaneous quantitative profiling of N-acyl-L-homoserine lactone and 2-alkyl-4(1H)-quinolone families of quorum-sensing signaling molecules using LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 839-850.	1.9	168
15	Quantitative profiling of endocannabinoids and related compounds in rat brain using liquid chromatography-tandem electrospray ionization mass spectrometry. <i>Analytical Biochemistry</i> , 2007, 360, 216-226.	1.1	154
16	Analgesic Effects of Fatty Acid Amide Hydrolase Inhibition in a Rat Model of Neuropathic Pain. <i>Journal of Neuroscience</i> , 2006, 26, 13318-13327.	1.7	149
17	Materials for stem cell factories of the future. <i>Nature Materials</i> , 2014, 13, 570-579.	13.3	145
18	Broccoli Consumption Interacts with GSTM1 to Perturb Oncogenic Signalling Pathways in the Prostate. <i>PLoS ONE</i> , 2008, 3, e2568.	1.1	135

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19	RECAST (Remote Ischemic Conditioning After Stroke Trial). <i>Stroke</i> , 2017, 48, 1412-1415.	1.0	131
20	Biomaterial modification of urinary catheters with antimicrobials to give long-term broadspectrum antibiofilm activity. <i>Journal of Controlled Release</i> , 2015, 202, 57-64.	4.8	130
21	A mutation in amino acid permease AAP6 reduces the amino acid content of the Arabidopsis sieve elements but leaves aphid herbivores unaffected. <i>Journal of Experimental Botany</i> , 2010, 61, 55-64.	2.4	126
22	The Effect of Three-Dimensional Co-Culture of Hepatocytes and Hepatic Stellate Cells on Key Hepatocyte Functions in vitro. <i>Cells Tissues Organs</i> , 2005, 181, 67-79.	1.3	118
23	Minocycline Treatment Inhibits Microglial Activation and Alters Spinal Levels of Endocannabinoids in a Rat Model of Neuropathic Pain. <i>Molecular Pain</i> , 2009, 5, 1744-8069-5-35.	1.0	116
24	Garlic as an inhibitor of <i>Pseudomonas aeruginosa</i> quorum sensing in cystic fibrosis—a pilot randomized controlled trial. <i>Pediatric Pulmonology</i> , 2010, 45, 356-362.	1.0	116
25	Inhibition of fatty acid amide hydrolase and cyclooxygenase-2 increases levels of endocannabinoid related molecules and produces analgesia via peroxisome proliferator-activated receptor-alpha in a model of inflammatory pain. <i>Neuropharmacology</i> , 2008, 55, 85-93.	2.0	115
26	Isothiocyanate concentrations and interconversion of sulforaphane to erucin in human subjects after consumption of commercial frozen broccoli compared to fresh broccoli. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 1906-1916.	1.5	114
27	Antitumor Benzothiazoles. 7. Synthesis of 2-(4-Acylaminophenyl)benzothiazoles and Investigations into the Role of Acetylation in the Antitumor Activities of the Parent Amines. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 381-392.	2.9	113
28	Comprehensive profiling of N-acylhomoserine lactones produced by <i>Yersinia pseudotuberculosis</i> using liquid chromatography coupled to hybrid quadrupole-linear ion trap mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 497-511.	1.9	111
29	Transient Exposure to Low Levels of Insecticide Affects Metabolic Networks of Honeybee Larvae. <i>PLoS ONE</i> , 2013, 8, e68191.	1.1	108
30	Tonic modulation of spinal hyperexcitability by the endocannabinoid receptor system in a rat model of osteoarthritis pain. <i>Arthritis and Rheumatism</i> , 2010, 62, 3666-3676.	6.7	106
31	From natural products to clinically useful antifungals. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2002, 1587, 224-233.	1.8	98
32	Quantitative profiling of nucleotides and related phosphate-containing metabolites in cultured mammalian cells by liquid chromatography tandem electrospray mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 871, 115-124.	1.2	98
33	Quantitative measurement of sulforaphane, iberin and their mercapturic acid pathway metabolites in human plasma and urine using liquid chromatography-tandem electrospray ionisation mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 844, 223-234.	1.2	96
34	<i>Pseudomonas aeruginosa</i> quorum sensing molecules correlate with clinical status in cystic fibrosis. <i>European Respiratory Journal</i> , 2015, 46, 1046-1054.	3.1	95
35	Increased function of pronociceptive TRPV1 at the level of the joint in a rat model of osteoarthritis pain. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 252-259.	0.5	95
36	Plasma endocannabinoid levels in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2009, 287, 212-215.	0.3	94

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37	Folic acid handling by the human gut: implications for food fortification and supplementation. <i>American Journal of Clinical Nutrition</i> , 2014, 100, 593-599.	2.2	94
38	Oral administration of cannabis with lipids leads to high levels of cannabinoids in the intestinal lymphatic system and prominent immunomodulation. <i>Scientific Reports</i> , 2017, 7, 14542.	1.6	93
39	High Susceptibility of Bt Maize to Aphids Enhances the Performance of Parasitoids of Lepidopteran Pests. <i>PLoS ONE</i> , 2007, 2, e600.	1.1	93
40	Octanol <sup>®</sup> , Chloroform <sup>®</sup> , and Propylene Glycol Dipelargonat <sup>®</sup> Water Partitioning of Morphine-6-glucuronide and Other Related Opiates <sup>®</sup> . <i>Journal of Medicinal Chemistry</i> , 1996, 39, 4377-4381.	2.9	89
41	Resistance to Nonspecific Protein Adsorption by Poly(vinyl alcohol) Thin Films Adsorbed to a Poly(styrene) Support Matrix Studied Using Surface Plasmon Resonance. <i>Analytical Chemistry</i> , 2001, 73, 5232-5239.	3.2	85
42	Authentication of processed meat products by peptidomic analysis using rapid ambient mass spectrometry. <i>Food Chemistry</i> , 2015, 187, 297-304.	4.2	77
43	Discovery of a Novel Polymer for Human Pluripotent Stem Cell Expansion and Multilineage Differentiation. <i>Advanced Materials</i> , 2015, 27, 4006-4012.	11.1	75
44	Evidence for a novel functional role of cannabinoid CB <sub>2</sub> receptors in the thalamus of neuropathic rats. <i>European Journal of Neuroscience</i> , 2008, 27, 1722-1730.	1.2	73
45	Rapid Detection of Peptide Markers for Authentication Purposes in Raw and Cooked Meat Using Ambient Liquid Extraction Surface Analysis Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 10257-10265.	3.2	72
46	Immune-Instructive Polymers Control Macrophage Phenotype and Modulate the Foreign Body Response In Vivo. <i>Matter</i> , 2020, 2, 1564-1581.	5.0	70
47	Functional analysis of folate polyglutamylation and its essential role in plant metabolism and development. <i>Plant Journal</i> , 2010, 64, 267-279.	2.8	67
48	Oleylethanolamine and palmitoylethanolamine modulate intestinal permeability <i>in vitro</i> via TRPV1 and PPAR $\alpha$ . <i>FASEB Journal</i> , 2017, 31, 469-481.	0.2	66
49	Comprehensive metabolic profiling of mono- and polyglutamated folates and their precursors in plant and animal tissue using liquid chromatography/negative ion electrospray ionisation tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2390-2398.	0.7	65
50	Chromatographic behaviour of positional isomers on porous graphitic carbon. <i>Journal of Chromatography A</i> , 1995, 697, 219-227.	1.8	62
51	Tryptic Digestion Coupled with Ambient Desorption Electrospray Ionization and Liquid Extraction Surface Analysis Mass Spectrometry Enabling Identification of Skeletal Muscle Proteins in Mixtures and Distinguishing between Beef, Pork, Horse, Chicken, and Turkey Meat. <i>Analytical Chemistry</i> , 2014, 86, 4479-4487.	3.2	62
52	Preventing endometrial cancer risk in polycystic ovarian syndrome (PCOS) women: Could metformin help?. <i>Gynecologic Oncology</i> , 2014, 132, 248-253.	0.6	61
53	Separation of pharmaceutical bases from neutral and acidic components by capillary electrochromatography. <i>Analytical Communications</i> , 1998, 35, 217-220.	2.2	60
54	Catecholamines derivatized with 4-fluoro-7-nitro-2,1,3-benzoxadiazole: characterization of chemical structure and fluorescence properties. <i>Analytica Chimica Acta</i> , 2003, 478, 259-269.	2.6	60

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55	Reactive DESI-MS Imaging of Biological Tissues with Dicationic Ion-Pairing Compounds. <i>Analytical Chemistry</i> , 2015, 87, 3286-3293.	3.2	60
56	A LuxR-like family regulatory system controls excision and transfer of the <i>Mesorhizobium loti</i> strain R7A symbiosis island by activating expression of two conserved hypothetical genes. <i>Molecular Microbiology</i> , 2009, 73, 1141-1155.	1.2	57
57	Quantitative liquid chromatography-tandem mass spectrometry profiling of activated methyl cycle metabolites involved in LuxS-dependent quorum sensing in <i>Escherichia coli</i> . <i>Analytical Biochemistry</i> , 2010, 403, 20-29.	1.1	56
58	Whole genome sequence and manual annotation of <i>Clostridium autoethanogenum</i> , an industrially relevant bacterium. <i>BMC Genomics</i> , 2015, 16, 1085.	1.2	56
59	Development of a simple and sensitive HPLC-UV method for the simultaneous determination of cannabidiol and $\delta^9$ -tetrahydrocannabinol in rat plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 114, 145-151.	1.4	56
60	Consuming Broccoli Does Not Induce Genes Associated with Xenobiotic Metabolism and Cell Cycle Control in Human Gastric Mucosa. <i>Journal of Nutrition</i> , 2007, 137, 1718-1724.	1.3	55
61	Quantitative profiling of epoxyeicosatrienoic, hydroxyeicosatetraenoic, and dihydroxyeicosatetraenoic acids in human intrauterine tissues using liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2007, 365, 40-51.	1.1	54
62	Entometabolomics: applications of modern analytical techniques to insect studies. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 155, 1-17.	0.7	52
63	Retention Behavior of Ionizable Isomers in Reversed-Phase Liquid Chromatography: A Comparative Study of Porous Graphitic Carbon and Octadecyl Bonded Silica. <i>Analytical Chemistry</i> , 1996, 68, 437-446.	3.2	51
64	Lack of effect of chronic pre-treatment with the FAAH inhibitor URB597 on inflammatory pain behaviour: evidence for plastic changes in the endocannabinoid system. <i>British Journal of Pharmacology</i> , 2012, 167, 627-640.	2.7	51
65	Association of the resolvin precursor 17-HDHA, but not D- or E- series resolvins, with heat pain sensitivity and osteoarthritis pain in humans. <i>Scientific Reports</i> , 2017, 7, 10748.	1.6	47
66	Dietary fats and pharmaceutical lipid excipients increase systemic exposure to orally administered cannabis and cannabis-based medicines. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 3448-59.	0.0	47
67	Spinal administration of the monoacylglycerol lipase inhibitor JZL184 produces robust inhibitory effects on nociceptive processing and the development of central sensitization in the rat. <i>British Journal of Pharmacology</i> , 2012, 167, 1609-1619.	2.7	46
68	Translational insight into statin-induced muscle toxicity: from cell culture to clinical studies. <i>Translational Research</i> , 2014, 164, 85-109.	2.2	46
69	The contribution of the endogenous TRPV1 ligands $\delta^9$ -HODE and $13$ -HODE to nociceptive processing and their role in peripheral inflammatory pain mechanisms. <i>British Journal of Pharmacology</i> , 2013, 168, 1961-1974.	2.7	45
70	The role of CB <sub>1</sub> in intestinal permeability and inflammation. <i>FASEB Journal</i> , 2017, 31, 3267-3277.	0.2	45
71	Lipidomic analysis of plasma samples from women with polycystic ovary syndrome. <i>Metabolomics</i> , 2015, 11, 657-666.	1.4	44
72	The effect of temperature and pH on the deacetylation of diamorphine in aqueous solution and in human plasma. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 44, 606-608.	1.2	43

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73	A Diurnal Component to the Variation in Sieve Tube Amino Acid Content in Wheat. <i>Plant Physiology</i> , 2008, 147, 912-921.	2.3	42
74	The lipidome and proteome of oil bodies from <i>Helianthus annuus</i> (common sunflower). <i>Journal of Chemical Biology</i> , 2013, 6, 63-76.	2.2	42
75	Simultaneous tissue profiling of eicosanoid and endocannabinoid lipid families in a rat model of osteoarthritis. <i>Journal of Lipid Research</i> , 2014, 55, 1902-1913.	2.0	42
76	Targeting the D Series Resolvin Receptor System for the Treatment of Osteoarthritis Pain. <i>Arthritis and Rheumatology</i> , 2017, 69, 996-1008.	2.9	42
77	Omega-6 oxylipins generated by soluble epoxide hydrolase are associated with knee osteoarthritis. <i>Journal of Lipid Research</i> , 2018, 59, 1763-1770.	2.0	41
78	An improved extraction method for the HPLC determination of morphine and its metabolites in plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993, 11, 401-406.	1.4	40
79	Ambient DESI and LESA-MS Analysis of Proteins Adsorbed to a Biomaterial Surface Using In-Situ Surface Tryptic Digestion. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1927-1936.	1.2	40
80	Morphine kinetics after diamorphine infusion in premature neonates. <i>British Journal of Clinical Pharmacology</i> , 1991, 32, 31-37.	1.1	39
81	Evaporative light-scattering detection coupled to microcolumn liquid chromatography for the analysis of underivatized amino acids: Sensitivity, linearity of response and comparisons with UV absorbance detection. <i>Journal of Separation Science</i> , 2001, 13, 169-175.	1.0	39
82	Eukaryotic elongation factor 2 kinase regulates the cold stress response by slowing translation elongation. <i>Biochemical Journal</i> , 2015, 465, 227-238.	1.7	39
83	Amino acid analysis by micellar electrokinetic chromatography with laser-induced fluorescence detection: Application to nanolitre-volume biological samples from <i>Arabidopsis thaliana</i> and <i>Myzus persicae</i> . <i>Electrophoresis</i> , 2005, 26, 911-919.	1.3	38
84	The <i>Arabidopsis thaliana</i> / <i>Myzus persicae</i> model system demonstrates that a single gene can influence the interaction between a plant and a sap-feeding insect. <i>Molecular Ecology</i> , 2006, 15, 4203-4213.	2.0	38
85	Drug release from HPMC matrices in milk and fat-rich emulsions. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4823-4835.	1.6	38
86	Repeated novel cage exposure-induced improvement of early Alzheimer's-like cognitive and amyloid changes in TASTPM mice is unrelated to changes in brain endocannabinoids levels. <i>Neurobiology of Aging</i> , 2009, 30, 1099-1113.	1.5	37
87	Mouse mitochondrial lipid composition is defined by age in brain and muscle. <i>Aging</i> , 2017, 9, 986-998.	1.4	37
88	A strategy for characterization of triterpene saponins in <i>Caulophyllum robustum</i> hairy roots by liquid chromatography with electrospray ionization quadrupole time-of-flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 100, 109-122.	1.4	36
89	Diagnostic and prognostic significance of systemic alkyl quinolones for <i>P. aeruginosa</i> in cystic fibrosis: A longitudinal study. <i>Journal of Cystic Fibrosis</i> , 2017, 16, 230-238.	0.3	36
90	Solvent and stationary phase selectivity in capillary electrochromatography method development: Comparison of C18, C8, and phenyl-bonded phases for the separation of a series of substituted barbiturates. <i>Journal of Chromatography</i> , 1999, 11, 305-311.		35

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91	The pharmacokinetics and physiological effects of buprenorphine infusion in premature neonates.. British Journal of Clinical Pharmacology, 1993, 36, 215-219.	1.1	34
92	In <i>Helicobacter pylori</i> , LuxS Is a Key Enzyme in Cysteine Provision through a Reverse Transsulfuration Pathway. Journal of Bacteriology, 2010, 192, 1184-1192.	1.0	34
93	The anti-inflammatory effect of bacterial short chain fatty acids is partially mediated by endocannabinoids. Gut Microbes, 2021, 13, 1997559.	4.3	34
94	Chemically diverse polymer microarrays and high throughput surface characterisation: a method for discovery of materials for stem cell culture. Biomaterials Science, 2014, 2, 1604-1611.	2.6	33
95	Reductions in Endocannabinoid Levels and Enhanced Coupling of Cannabinoid Receptors in the Striatum are Accompanied by Cognitive Impairments in the Al <sup>2</sup> PPswe/PS1 <sup>E9</sup> Mouse Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 42, 227-245.	1.2	33
96	Role of alkyl and aryl substituents in chiral ligand exchange chromatography of amino acids study using porous graphitic carbon coated with N-substituted-l-proline selectors. Journal of Chromatography A, 1997, 786, 249-257.	1.8	32
97	FR290581, a novel sordarin derivative: Synthesis and antifungal activity. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1465-1468.	1.0	32
98	A metabolomic analytical approach permits identification of urinary biomarkers for Plasmodium falciparum infection: a case-control study. Malaria Journal, 2017, 16, 229.	0.8	32
99	Ion-pair high-performance liquid chromatographic assay method for the assessment of clarithromycin stability in aqueous solution and in gastric juice. Biomedical Applications, 1996, 682, 73-78.	1.7	31
100	Percutaneous absorption: a multiple pathway model. Journal of Controlled Release, 1997, 45, 141-151.	4.8	31
101	Measurement of amoxicillin in plasma and gastric samples using high-performance liquid chromatography with fluorimetric detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 774, 141-148.	1.2	31
102	Quantification of clarithromycin, its 14-hydroxy and decladinose metabolites in rat plasma, gastric juice and gastric tissue using high-performance liquid chromatography with electrochemical detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 783, 359-366.	1.2	31
103	Effects of COX-2 inhibition on spinal nociception: the role of endocannabinoids. British Journal of Pharmacology, 2010, 160, 669-676.	2.7	31
104	Reviewing the molecular mechanisms which increase endometrial cancer (EC) risk in women with polycystic ovarian syndrome (PCOS): Time for paradigm shift?. Gynecologic Oncology, 2013, 131, 489-492.	0.6	31
105	Enhanced vitamin C skin permeation from supramolecular hydrogels, illustrated using in situ ToF-SIMS 3D chemical profiling. International Journal of Pharmaceutics, 2019, 563, 21-29.	2.6	31
106	Retention behavior of morphine and its metabolites on a porous graphitic carbon column. Chromatographia, 1998, 47, 667-672.	0.7	30
107	Cytochrome P450 Cyp4x1 is a major P450 protein in mouse brain. FEBS Journal, 2006, 273, 936-947.	2.2	30
108	Age-Related Changes to Human Stratum Corneum Lipids Detected Using Time-of-Flight Secondary Ion Mass Spectrometry Following in Vivo Sampling. Analytical Chemistry, 2016, 88, 4400-4408.	3.2	30

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109	Chiral chromatography of amino acids on porous graphitic carbon coated with a series of N-substituted l-phenylalanine selectors effect of the anchor molecule on enantioselectivity. <i>Journal of Chromatography A</i> , 1997, 765, 187-200.	1.8	29
110	Fish oil omega-3 fatty acids partially prevent lipid-induced insulin resistance in human skeletal muscle without limiting acylcarnitine accumulation. <i>Clinical Science</i> , 2014, 127, 315-322.	1.8	29
111	Determination of morphine and 6-acetylmorphine in plasma by high-performance liquid chromatography with fluorescence detection. <i>Biomedical Applications</i> , 1991, 566, 135-145.	1.7	28
112	Impact of acid secretion, gastritis, and mucus thickness on gastric transfer of antibiotics in rats. <i>Gut</i> , 2002, 51, 490-495.	6.1	28
113	The role of acid-base imbalance in statin-induced myotoxicity. <i>Translational Research</i> , 2016, 174, 140-160.e14.	2.2	28
114	An in vitro study of diamorphine permeation through premature human neonatal skin. <i>Pharmaceutical Research</i> , 1993, 10, 583-587.	1.7	27
115	Gastric Juice, Gastric Tissue and Blood Antibiotic Concentrations Following Omeprazole, Amoxicillin and Clarithromycin Triple Therapy. <i>Helicobacter</i> , 2003, 8, 294-299.	1.6	27
116	Endocannabinoid regulation of spinal nociceptive processing in a model of neuropathic pain. <i>European Journal of Neuroscience</i> , 2010, 31, 1414-1422.	1.2	27
117	Rapid and selective high-performance liquid chromatographic method for the determination of metronidazole and its active metabolite in human plasma, saliva and gastric juice. <i>Biomedical Applications</i> , 1996, 677, 374-379.	1.7	26
118	A generic approach to the impurity profiling of drugs using standardised and independent capillary zone electrophoresis methods coupled to electrospray ionisation mass spectrometry. <i>Electrophoresis</i> , 2005, 26, 1712-1723.	1.3	26
119	Robust anti-nociceptive effects of monoacylglycerol lipase inhibition in a model of osteoarthritis pain. <i>British Journal of Pharmacology</i> , 2016, 173, 3134-3144.	2.7	25
120	Quantitative Isotope-Dilution High-Resolution-Mass-Spectrometry Analysis of Multiple Intracellular Metabolites in <i>Clostridium autoethanogenum</i> with Uniformly <sup>13</sup> C-Labeled Standards Derived from <i>Spirulina</i> . <i>Analytical Chemistry</i> , 2018, 90, 4470-4477.	3.2	25
121	An Analysis of Endocannabinoid Concentrations and Mood Following Singing and Exercise in Healthy Volunteers. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 269.	1.0	25
122	Methotrexate induced differentiation in colon cancer cells is primarily due to purine deprivation. <i>Journal of Cellular Biochemistry</i> , 2006, 99, 146-155.	1.2	24
123	A novel mechanism of vasoregulation: ADP-induced relaxation of the porcine isolated coronary artery is mediated via adenosine release. <i>FASEB Journal</i> , 2007, 21, 577-585.	0.2	24
124	Synthesis and antifungal activity of ASP9726, a novel echinocandin with potent <i>Aspergillus</i> hyphal growth inhibition. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1172-1175.	1.0	24
125	Studies on Anti- <i>Helicobacter pylori</i> Agents. Part 1: Benzyloxyisoquinoline Derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 2647-2666.	1.4	23
126	Chromatographic retention behaviour of n-alkylbenzenes and pentylbenzene structural isomers on porous graphitic carbon and octadecyl-bonded silica studied using molecular modelling and QSRR. <i>Journal of Chromatography A</i> , 2010, 1217, 6987-6993.	1.8	23



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127	Plasma lipid biomarker signatures in squamous carcinoma and adenocarcinoma lung cancer patients. <i>Metabolomics</i> , 2015, 11, 1600-1611.	1.4	23
128	Diamorphine infusion in the preterm neonate.. <i>Archives of Disease in Childhood</i> , 1991, 66, 1155-1157.	1.0	22
129	Detection of EETs and HETE-generating cytochrome P-450 enzymes and the effects of their metabolites on myometrial and vascular function. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E647-E656.	1.8	22
130	Bioanalytical applications of capillary electrophoresis with laser-induced native fluorescence detection. <i>Bioanalysis</i> , 2010, 2, 1641-1653.	0.6	22
131	Characterization of a range of alkyl-bonded silica HPLC stationary phases: XPS and ToF-SIMS studies. <i>Surface and Interface Analysis</i> , 1994, 21, 263-273.	0.8	21
132	Porous graphitic carbon for the chromatographic separation of O-tetraacetyl- $\beta$ -D-glucopyranosyl isothiocyanate-derivatised amino acid enantiomers. <i>Journal of Chromatography A</i> , 1995, 697, 213-217.	1.8	21
133	NASAL ADMINISTRATION OF MORPHINE-6-GLUCURONIDE IN SHEEP—A PHARMACOKINETIC STUDY., 1996, 17, 717-724.		21
134	Production of N-acyl homoserine lactones by the sponge-associated marine actinobacteria <i>Salinispora arenicola</i> and <i>Salinispora pacifica</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, fnx002.	0.7	21
135	Measurement of vasoactive metabolites (hydroxyeicosatetraenoic and epoxyeicosatrienoic acids) in uterine tissues of normal and compromised human pregnancy. <i>Journal of Hypertension</i> , 2010, 28, 2429-2437.	0.3	21
136	Transcriptional analysis of adipose tissue during development reveals depot-specific responsiveness to maternal dietary supplementation. <i>Scientific Reports</i> , 2018, 8, 9628.	1.6	20
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