David Fairlie

List of Publications by Citations

439 papers	25,576 citations	83 h-index	142 g-index
482 ext. papers	28,935 ext. citations	8.4 avg, IF	6.96 L-index

#	Paper	IF	Citations
439	The future of peptide-based drugs. *Chemical Biology and Drug Design*, **2013**, 81, 136-47	2.9	1177
438	MR1 presents microbial vitamin B metabolites to MAIT cells. *Nature*, **2012**, 491, 717-23	50.4	834
437	Protease inhibitors: current status and future prospects. *Journal of Medicinal Chemistry*, **2000**, 43, 305-41	5.3	784
436	Cu(II) potentiation of alzheimer abeta neurotoxicity. Correlation with cell-free hydrogen peroxide production and metal reduction. *Journal of Biological Chemistry*, **1999**, 274, 37111-6	5.4	602
435	T-cell activation by transitory neo-antigens derived from distinct microbial pathways. *Nature*, **2014**, 509, 361-5	50.4	492
434	Characterization of copper interactions with alzheimer amyloid beta peptides: identification of an attomolar-affinity copper binding site on amyloid beta1-42. *Journal of Neurochemistry*, **2000**, 75, 1219-33	4.6	479
433	Solution structure of amyloid beta-peptide(1-40) in a water-micelle environment. Is the membrane-spanning domain where we think it is?. *Biochemistry*, **1998**, 37, 11064-77	3.2	460
432	Antigen-loaded MR1 tetramers define T cell receptor heterogeneity in mucosal-associated invariant T cells. *Journal of Experimental Medicine*, **2013**, 210, 2305-20	16.6	379
431	Aqueous dissolution of Alzheimer's disease Abeta amyloid deposits by biometal depletion. *Journal of Biological Chemistry*, **1999**, 274, 23223-8	5.4	372
430	Histone deacetylases as regulators of inflammation and immunity. *Trends in Immunology*, **2011**, 32, 335-43	14.4	363
429	Proteases universally recognize beta strands in their active sites. *Chemical Reviews*, **2005**, 105, 973-99	68.1	336
428	Function, structure and therapeutic potential of complement C5a receptors. *British Journal of Pharmacology*, **2007**, 152, 429-48	8.6	281
427	Constraining cyclic peptides to mimic protein structure motifs. *Angewandte Chemie - International Edition*, **2014**, 53, 13020-41	16.4	277
426	Structure, function and pathophysiology of protease activated receptors. *Pharmacology & Therapeutics*, **2011**, 130, 248-82	13.9	258
425	Single turn peptide alpha helices with exceptional stability in water. *Journal of the American Chemical Society*, **2005**, 127, 2974-83	16.4	241
424	Activity of recombinant dengue 2 virus NS3 protease in the presence of a truncated NS2B co-factor, small peptide substrates, and inhibitors. *Journal of Biological Chemistry*, **2001**, 276, 45762-71	5.4	234
423	Histone deacetylase inhibitors trigger a G2 checkpoint in normal cells that is defective in tumor cells. *Molecular Biology of the Cell*, **2000**, 11, 2069-83	3.5	228

422	Identification of phenotypically and functionally heterogeneous mouse mucosal-associated invariant T cells using MR1 tetramers. *Journal of Experimental Medicine*, **2015**, 212, 1095-108	16.6	223
421	Protease inhibitors in the clinic. *Medicinal Chemistry*, **2005**, 1, 71-104	1.8	220
420	Low-molecular-weight peptidic and cyclic antagonists of the receptor for the complement factor C5a. *Journal of Medicinal Chemistry*, **1999**, 42, 1965-74	8.3	217
419	Orally Absorbed Cyclic Peptides. *Chemical Reviews*, **2017**, 117, 8094-8128	68.1	209
418	Inflammatory lipid mediators in adipocyte function and obesity. *Nature Reviews Endocrinology*, **2010**, 6, 71-82	15.2	209
417	Beta-strand mimetics. *Chemical Reviews*, **2004**, 104, 6085-117	68.1	207
416	Recognition of vitamin B metabolites by mucosal-associated invariant T cells. *Nature Communications*, **2013**, 4, 2142	17.4	206
415	Over one hundred peptide-activated G protein-coupled receptors recognize ligands with turn structure. *Chemical Reviews*, **2005**, 105, 793-826	68.1	201
414	A three-stage intrathymic development pathway for the mucosal-associated invariant T cell lineage. *Nature Immunology*, **2016**, 17, 1300-1311	19.1	183
413	Human mucosal-associated invariant T cells contribute to antiviral influenza immunity via IL-18-dependent activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 10133-8	11.5	173
412	A molecular basis underpinning the T cell receptor heterogeneity of mucosal-associated invariant T cells. *Journal of Experimental Medicine*, **2014**, 211, 1585-600	16.6	172
411	Intravenous immunoglobulin (IVIG) protects the brain against experimental stroke by preventing complement-mediated neuronal cell death. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 14104-9	11.5	165
410	A small molecule C5a receptor antagonist protects kidneys from ischemia/reperfusion injury in rats. *Kidney International*, **2003**, 63, 134-42	9.9	162
409	Homogeneous catalysis. Conversion of 4-pentenals to cyclopentanones by efficient rhodium-catalyzed hydroacylation. *Organometallics*, **1988**, 7, 936-945	3.8	159
408	Histone deacetylase inhibitors in inflammatory disease. *Current Topics in Medicinal Chemistry*, **2009**, 9, 309-19	3	157
407	New insights into growth hormone action. *Journal of Molecular Endocrinology*, **2006**, 36, 1-7	4.5	156
406	Macrocyclic Peptidomimetics Forcing Peptides into Bioactive Conformations. *Current Medicinal Chemistry*, **1995**, 2, 654-686	4.3	147
405	Downsizing human, bacterial, and viral proteins to short water-stable alpha helices that maintain biological potency. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 11686-91	11.5	144

404	A new paradigm for protein kinase inhibition: blocking phosphorylation without directly targeting ATP binding. *Drug Discovery Today*, **2007**, 12, 622-33	8.8	143
403	Differential effects of selective HDAC inhibitors on macrophage inflammatory responses to the Toll-like receptor 4 agonist LPS. *Journal of Leukocyte Biology*, **2010**, 87, 1103-14	6.5	142
402	Mucosal-associated invariant T-cell activation and accumulation after in vivo infection depends on microbial riboflavin synthesis and co-stimulatory signals. *Mucosal Immunology*, **2017**, 10, 58-68	9.2	141
401	Conformational selection of inhibitors and substrates by proteolytic enzymes: implications for drug design and polypeptide processing. *Journal of Medicinal Chemistry*, **2000**, 43, 1271-81	8.3	140
400	Solution structure of methionine-oxidized amyloid beta-peptide (1-40). Does oxidation affect conformational switching?. *Biochemistry*, **1998**, 37, 12700-6	3.2	140
399	Targeting HIV-1 protease: a test of drug-design methodologies. *Trends in Pharmacological Sciences*, **1995**, 16, 67-75	13.2	139
398	Alpha-synuclein structure and Parkinson□s disease - lessons and emerging principles. *Molecular Neurodegeneration*, **2019**, 14, 29	19	135
397	Diversity of T Cells Restricted by the MHC Class I-Related Molecule MR1 Facilitates Differential Antigen Recognition. *Immunity*, **2016**, 44, 32-45	32.3	133
396	Update 1 of: Proteases universally recognize beta strands in their active sites. *Chemical Reviews*, **2010**, 110, PR1-31	68.1	129
395	Comparative □helicity of cyclic pentapeptides in water. *Angewandte Chemie - International Edition*, **2014**, 53, 6965-9	16.4	128
394	Biased signalling and proteinase-activated receptors (PARs): targeting inflammatory disease. *British Journal of Pharmacology*, **2014**, 171, 1180-94	8.6	126
393	Tumor cell-selective cytotoxicity by targeting cell cycle checkpoints. *FASEB Journal*, **2003**, 17, 1550-2	0.9	121
392	Complement c5a receptor facilitates cancer metastasis by altering T-cell responses in the metastatic niche. *Cancer Research*, **2014**, 74, 3454-65	10.1	119
391	Structure of West Nile virus NS3 protease: ligand stabilization of the catalytic conformation. *Journal of Molecular Biology*, **2009**, 385, 1568-77	6.5	119
390	Drugs and drug-like molecules can modulate the function of mucosal-associated invariant T cells. *Nature Immunology*, **2017**, 18, 402-411	19.1	116
389	Human blood MAIT cell subsets defined using MR1 tetramers. *Immunology and Cell Biology*, **2018**, 96, 507-525	5	115
388	Potencies of human immunodeficiency virus protease inhibitors in vitro against Plasmodium falciparum and in vivo against murine malaria. *Antimicrobial Agents and Chemotherapy*, **2006**, 50, 639-48	5.9	114
387	Rational design and synthesis of an orally bioavailable peptide guided by NMR amide temperature coefficients. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17504-9	11.5	112

386	MAIT cells protect against pulmonary Legionella longbeachae infection. *Nature Communications*, **2018**, 9, 3350	17.4	111
385	Homogeneous catalysis. Mechanism of catalytic hydroacylation: the conversion of 4-pentenals to cyclopentanones. *Organometallics*, **1988**, 7, 946-954	3.8	110
384	Improving on nature: making a cyclic heptapeptide orally bioavailable. *Angewandte Chemie - International Edition*, **2014**, 53, 12059-63	16.4	107
383	Proteolysis of human hemoglobin by schistosome cathepsin D. *Molecular and Biochemical Parasitology*, **2001**, 112, 103-12	1.9	103
382	Cleavage of hemoglobin by hookworm cathepsin D aspartic proteases and its potential contribution to host specificity. *FASEB Journal*, **2002**, 16, 1458-60	0.9	103
381	Anti-tumour activity in vitro and in vivo of selective differentiating agents containing hydroxamate. *British Journal of Cancer*, **1999**, 80, 1252-8	8.7	103
380	Anti-malarial effect of histone deacetylation inhibitors and mammalian tumour cytodifferentiating agents. *International Journal for Parasitology*, **2000**, 30, 761-8	4.3	102
379	Antifibrotic activity of an inhibitor of histone deacetylases in DOCA-salt hypertensive rats. *British Journal of Pharmacology*, **2010**, 159, 1408-17	8.6	100
378	Potent antimalarial activity of histone deacetylase inhibitor analogues. *Antimicrobial Agents and Chemotherapy*, **2008**, 52, 1454-61	5.9	99
377	Towards Protein Surface Mimetics. *Current Medicinal Chemistry*, **1998**, 5, 29-62	4.3	99
376	Catalyst-free N-arylation using unactivated fluorobenzenes. *Angewandte Chemie - International Edition*, **2012**, 51, 8012-6	16.4	98
375	Enzymatic characterization and homology model of a catalytically active recombinant West Nile virus NS3 protease. *Journal of Biological Chemistry*, **2004**, 279, 48535-42	5.4	98
374	crystal Structure and Electrospray Ionization Mass Spectrometry, Electron Paramagnetic Resonance, and Magnetic Susceptibility Study of [Cu2(ascidH2)(1,2-.mu.-CO3)(H2O)2].cntdot.2H2O, the Bis(copper(II)) Complex of Ascidiacyclamide (ascidH4), a Cyclic Peptide Isolated from the Ascidian Lissoclinum patella. *Inorganic Chemistry*, **1994**, 33, 3549-3557	5.1	98
373	Antiarthritic activity of an orally active C5a receptor antagonist against antigen-induced monarticular arthritis in the rat. *Arthritis and Rheumatism*, **2002**, 46, 2476-85		97
372	A 195Pt and 15N N.M.R. study of the anticancer drug, cis-diammine-dichloroplatinum(II), and its hydrolysis and oligomerization products. *Australian Journal of Chemistry*, **1981**, 34, 659	1.2	97
371	Functional Heterogeneity and Antimycobacterial Effects of Mouse Mucosal-Associated Invariant T Cells Specific for Riboflavin Metabolites. *Journal of Immunology*, **2015**, 195, 587-601	5.3	96
370	A potent human C5a receptor antagonist protects against disease pathology in a rat model of inflammatory bowel disease. *Journal of Immunology*, **2003**, 171, 5514-20	5.3	94
369	A new small molecule C5a receptor antagonist inhibits the reverse-passive Arthus reaction and endotoxic shock in rats. *Journal of Immunology*, **2000**, 164, 6560-5	5.3	94

368	Flavones are inhibitors of HIV-1 proteinase. *Biochemical and Biophysical Research Communications*, **1992**, 188, 631-7	3.4	94
367	Amyloid peptides and proteins in review. *Reviews of Physiology, Biochemistry and Pharmacology*, **2007**, 159, 1-77	2.9	92
366	The intracellular pathway for the presentation of vitamin B-related antigens by the antigen-presenting molecule MR1. *Nature Immunology*, **2016**, 17, 531-7	19.1	92
365	C5aR and C3aR antagonists each inhibit diet-induced obesity, metabolic dysfunction, and adipocyte and macrophage signaling. *FASEB Journal*, **2013**, 27, 822-31	0.9	88
364	Lysine acetylation in obesity, diabetes and metabolic disease. *Immunology and Cell Biology*, **2012**, 90, 39-46	5	85
363	Potent cyclic antagonists of the complement C5a receptor on human polymorphonuclear leukocytes. Relationships between structures and activity. *Molecular Pharmacology*, **2004**, 65, 868-79	4.3	85
362	Macrocycles mimic the extended peptide conformation recognized by aspartic, serine, cysteine and metallo proteases. *Current Medicinal Chemistry*, **2001**, 8, 893-907	4.3	85
361	Modulating human proteinase activated receptor 2 with a novel antagonist (GB88) and agonist (GB110). *British Journal of Pharmacology*, **2012**, 165, 1413-23	8.6	84
360	Nonpeptidic ligands for peptide-activated G protein-coupled receptors. *Chemical Reviews*, **2007**, 107, 2960-3041	68.1	84
359	Novel agonists and antagonists for human protease activated receptor 2. *Journal of Medicinal Chemistry*, **2010**, 53, 7428-40	8.3	83
358	Small molecular probes for G-protein-coupled C5a receptors: conformationally constrained antagonists derived from the C terminus of the human plasma protein C5a. *Journal of Medicinal Chemistry*, **1998**, 41, 3417-25	8.3	83
357	Protective effect of a new C5a receptor antagonist against ischemia-reperfusion injury in the rat small intestine. *Journal of Surgical Research*, **2002**, 103, 260-7	2.5	83
356	Stabilizing short-lived Schiff base derivatives of 5-aminouracils that activate mucosal-associated invariant T cells. *Nature Communications*, **2017**, 8, 14599	17.4	82
355	Update 1 of: Beta-strand mimetics. *Chemical Reviews*, **2010**, 110, PR32-69	68.1	82
354	Is Oxidative Damage by □Amyloid and Prion Peptides Mediated by Hydrogen Atom Transfer from Glycine □Carbon to Methionine Sulfur within □Sheets?. *Journal of the American Chemical Society*, **2000**, 122, 9761-9767	16.4	82
353	Recognition of Vitamin B Precursors and Byproducts by Mucosal Associated Invariant T Cells. *Journal of Biological Chemistry*, **2015**, 290, 30204-11	5.4	81
352	An antagonist of human protease activated receptor-2 attenuates PAR2 signaling, macrophage activation, mast cell degranulation, and collagen-induced arthritis in rats. *FASEB Journal*, **2012**, 26, 2877-87	5.9	79
351	In silico screening of small molecule libraries using the dengue virus envelope E protein has identified compounds with antiviral activity against multiple flaviviruses. *Antiviral Research*, **2009**, 84, 234-41	10.8	78

350	Homogeneous catalysis: catalytic intramolecular conversion of 1,4-dialdehydes to .gamma.-lactones. *Organometallics*, **1990**, 9, 566-571	3.8	78
349	Diet-induced obesity, adipose inflammation, and metabolic dysfunction correlating with PAR2 expression are attenuated by PAR2 antagonism. *FASEB Journal*, **2013**, 27, 4757-67	0.9	77
348	Alpha-turn mimetics: short peptide alpha-helices composed of cyclic metallopentapeptide modules. *Journal of the American Chemical Society*, **2004**, 126, 4828-42	16.4	77
347	Review stapling peptides using cysteine crosslinking. *Biopolymers*, **2016**, 106, 843-852	2.2	77
346	Insights to substrate binding and processing by West Nile Virus NS3 protease through combined modeling, protease mutagenesis, and kinetic studies. *Journal of Biological Chemistry*, **2006**, 281, 38448-58	5.4	75
345	Systemic delivery of peptides by the oral route: Formulation and medicinal chemistry approaches. *Advanced Drug Delivery Reviews*, **2020**, 157, 2-36	18.5	74
344	Antagonism of protease-activated receptor 2 protects against experimental colitis. *Journal of Pharmacology and Experimental Therapeutics*, **2012**, 340, 256-65	4.7	74
343	Homology model of the dengue 2 virus NS3 protease: putative interactions with both substrate and NS2B cofactor. *Journal of General Virology*, **1999**, 80 (Pt 5), 1167-1177	4.9	73
342	Pharmacological characterization of antagonists of the C5a receptor. *British Journal of Pharmacology*, **1999**, 128, 1461-6	8.6	73
341	X-ray absorption spectroscopy of cadmium phytochelatin and model systems. *BBA - Proteins and Proteomics*, **1999**, 1429, 351-64		73
340	Hookworm aspartic protease, Na-APR-2, cleaves human hemoglobin and serum proteins in a host-specific fashion. *Journal of Infectious Diseases*, **2003**, 187, 484-94	7	72
339	Substrate-Based Cyclic Peptidomimetics of Phe-Ile-Val That Inhibit HIV-1 Protease Using a Novel Enzyme-Binding Mode. *Journal of the American Chemical Society*, **1996**, 118, 3375-3379	16.4	72
338	Histone deacetylases in monocyte/macrophage development, activation and metabolism: refining HDAC targets for inflammatory and infectious diseases. *Clinical and Translational Immunology*, **2016** , 5, e62	6.8	71
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336	West Nile Virus NS2B/NS3 protease as an antiviral target. *Current Medicinal Chemistry*, **2008**, 15, 2771-84	4.3	69
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334	Fixierung cyclischer Peptide: Mimetika von Proteinstrukturmotiven. *Angewandte Chemie*, **2014**, 126, 13234-13257	3.6	67
333	Comparative anti-inflammatory activities of antagonists to C3a and C5a receptors in a rat model of intestinal ischaemia/reperfusion injury. *British Journal of Pharmacology*, **2004**, 142, 756-64	8.6	67

332	Protective effects of a potent C5a receptor antagonist on experimental acute limb ischemia-reperfusion in rats. *Journal of Surgical Research*, **2004**, 116, 81-90	2.5	66
331	Beta-strand mimicking macrocyclic amino acids: templates for protease inhibitors with antiviral activity. *Journal of Medicinal Chemistry*, **2002**, 45, 371-81	8.3	66
330	The First Solution Stucture of a Single β-Helical Turn. A Pentapeptide β-Helix Stabilized by a Metal Clip. *Journal of the American Chemical Society*, **2000**, 122, 10488-10489	16.4	66
329	Protective effect of a human C5a receptor antagonist against hepatic ischaemia-reperfusion injury in rats. *Journal of Hepatology*, **2004**, 40, 934-41	13.4	65
328	Synthesis, stability, antiviral activity, and protease-bound structures of substrate-mimicking constrained macrocyclic inhibitors of HIV-1 protease. *Journal of Medicinal Chemistry*, **2000**, 43, 3495-504	8.3	65
327	Agonists and antagonists of protease activated receptors (PARs). *Current Medicinal Chemistry*, **2006**, 13, 243-65	4.3	64
326	Modular alpha-helical mimetics with antiviral activity against respiratory syncitial virus. *Journal of the American Chemical Society*, **2006**, 128, 13284-9	16.4	64
325	Antimalarial activity of the anticancer histone deacetylase inhibitor SB939. *Antimicrobial Agents and Chemotherapy*, **2012**, 56, 3849-56	5.9	63
324	Conformationally homogeneous cyclic tetrapeptides: useful new three-dimensional scaffolds. *Journal of the American Chemical Society*, **2003**, 125, 640-1	16.4	63
323	HDAC inhibitors: modulating leukocyte differentiation, survival, proliferation and inflammation. *Immunology and Cell Biology*, **2012**, 90, 14-22	5	62
322	Histone deacetylase 7 promotes Toll-like receptor 4-dependent proinflammatory gene expression in macrophages. *Journal of Biological Chemistry*, **2013**, 288, 25362-25374	5.4	61
321	D-Tyrosine as a chiral precusor to potent inhibitors of human nonpancreatic secretory phospholipase A2 (IIa) with antiinflammatory activity. *ChemBioChem*, **2003**, 4, 181-5	3.8	61
320	Amide-Iminol Tautomerism: Effect of Metalation. *Inorganic Chemistry*, **1994**, 33, 6425-6428	5.1	61
319	Inflammatory responses induced by lipopolysaccharide are amplified in primary human monocytes but suppressed in macrophages by complement protein C5a. *Journal of Immunology*, **2013**, 191, 4308-16	5.3	60
318	Recipient mucosal-associated invariant T cells control GVHD within the colon. *Journal of Clinical Investigation*, **2018**, 128, 1919-1936	15.9	60
317	Toward drugs for protease-activated receptor 2 (PAR2). *Journal of Medicinal Chemistry*, **2013**, 56, 7477-98	8.3	59
316	Conformational homogeneity in molecular recognition by proteolytic enzymes. *Journal of Molecular Recognition*, **1999**, 12, 363-70	2.6	59
315	Profiling the anti-protozoal activity of anti-cancer HDAC inhibitors against Plasmodium and Trypanosoma parasites. *International Journal for Parasitology: Drugs and Drug Resistance*, **2015**, 5, 117-26	4	58

314	Update 1 of: Over one hundred peptide-activated G protein-coupled receptors recognize ligands with turn structure. *Chemical Reviews*, **2010**, 110, PR1-41	68.1	58
313	Models for Arginine-Metal Binding. Synthesis of Guanidine and Urea Ligands through Amination and Hydration of a Cyanamide Ligand Bound to Platinum(II), Osmium(III), and Cobalt(III). *Inorganic Chemistry*, **1997**, 36, 1020-1028	5.1	58
312	Design, synthesis, potency, and cytoselectivity of anticancer agents derived by parallel synthesis from alpha-aminosuberic acid. *Journal of Medicinal Chemistry*, **2006**, 49, 7611-22	8.3	58
311	Effect of clinically approved HDAC inhibitors on Plasmodium, Leishmania and Schistosoma parasite growth. *International Journal for Parasitology: Drugs and Drug Resistance*, **2017**, 7, 42-50	4	57
310	Novel cylindrical, conical, and macrocyclic peptides from the cyclooligomerization of functionalized thiazole amino acids. *Journal of the American Chemical Society*, **2001**, 123, 333-4	16.4	56
309	Inhibiting histone deacetylase 1 suppresses both inflammation and bone loss in arthritis. *Rheumatology*, **2015**, 54, 1713-23	3.9	55
308	Molecular recognition of macrocyclic peptidomimetic inhibitors by HIV-1 protease. *Biochemistry*, **1999**, 38, 7978-88	3.2	55
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305	Effects of a new C5a receptor antagonist on C5a- and endotoxin-induced neutropenia in the rat. *British Journal of Pharmacology*, **1999**, 126, 551-4	8.6	54
304	Conformational Control by Thiazole and Oxazoline Rings in Cyclic Octapeptides of Marine Origin. Novel Macrocyclic Chair and Boat Conformations. *Journal of the American Chemical Society*, **1996**, 118, 10384-10388	16.4	54
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300	A class of γδ T cell receptors recognize the underside of the antigen-presenting molecule MR1. *Science*, **2019**, 366, 1522-1527	33.3	53
299	Lysine acetylation in sexual stage malaria parasites is a target for antimalarial small molecules. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 3666-78	5.9	52
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297	Total synthesis, structure, and oral absorption of a thiazole cyclic peptide, sanguinamide A. *Organic Letters*, **2012**, 14, 5720-3	6.2	51

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295	Site-directed mutagenesis and kinetic studies of the West Nile Virus NS3 protease identify key enzyme-substrate interactions. *Journal of Biological Chemistry*, **2005**, 280, 2896-903	5.4	50
294	Synthesis, characterization, and reactivity of the (.eta.2-acetone)pentaammineosmium(II) complex. *Journal of the American Chemical Society*, **1986**, 108, 8223-8227	16.4	50
293	MAIT Cells Promote Tumor Initiation, Growth, and Metastases via Tumor MR1. *Cancer Discovery*, **2020**, 10, 124-141	24.4	50
292	Stereoelectronic effects dictate molecular conformation and biological function of heterocyclic amides. *Journal of the American Chemical Society*, **2014**, 136, 11914-7	16.4	49
291	Comparing sixteen scoring functions for predicting biological activities of ligands for protein targets. *Journal of Molecular Graphics and Modelling*, **2015**, 57, 76-88	2.8	49
290	Inhibitors of histone deacetylases in class I and class II suppress human osteoclasts in vitro. *Journal of Cellular Physiology*, **2011**, 226, 3233-41	7	49
289	cis-Platinum(II) amine complexes: some structure-activity relationships for immunosuppressive, nephrotoxic and gastrointestinal (side) effects in rats. *Chemico-Biological Interactions*, **1980**, 31, 113-32	5	48
288	Histone deacetylase inhibitors and periodontal bone loss. *Journal of Periodontal Research*, **2011**, 46, 697-703	4.9	47
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284	Cyclic Penta- and Hexaleucine Peptides without N-Methylation Are Orally Absorbed. *ACS Medicinal Chemistry Letters*, **2014**, 5, 1148-51	4.3	45
283	Ex vivo activity of histone deacetylase inhibitors against multidrug-resistant clinical isolates of Plasmodium falciparum and P. vivax. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 961-6	5.9	45
282	Species dependence for binding of small molecule agonist and antagonists to the C5a receptor on polymorphonuclear leukocytes. *Inflammation*, **2001**, 25, 171-7	5.1	45
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279	Mutagenesis of the West Nile virus NS2B cofactor domain reveals two regions essential for protease activity. *Journal of General Virology*, **2008**, 89, 1010-1014	4.9	44

278	Synthesis and structural properties of patellamide A derivatives and their copper(II) compounds. *Chemistry - A European Journal*, **2002**, 8, 1527-36	4.8	44
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276	Metal clips that induce unstructured pentapeptides to be alpha-helical in water. *Journal of the American Chemical Society*, **2009**, 131, 4505-12	16.4	42
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274	A convergent solution-phase synthesis of the macrocycle Ac-Phe-[Orn-Pro-D-Cha-Trp-Arg], a potent new antiinflammatory drug. *Journal of Organic Chemistry*, **2003**, 68, 4464-71	4.2	41
273	Amide complexes of (diethylenetriamine)platinum(II). *Inorganic Chemistry*, **1992**, 31, 4069-4074	5.1	41
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