RÃ©becca F DÃ©prez-Poulain

List of Publications by Year
in descending order

58 papers	2,186 citations	218381 26 h-index	233125 45 g-index
68 all docs	68 docs citations	68 times ranked	3346 citing authors

#	Article	IF	Citations
1	Identification of indole-based activators of insulin degrading enzyme. European Journal of Medicinal Chemistry, 2022, 228, 113982.	2.6	3
2	Insulin-Degrading Enzyme, an Under-Estimated Potential Target to Treat Cancer?. Cells, 2022, 11, 1228.	1.8	3
3	Modulators of hERAP2 discovered by high-throughput screening. European Journal of Medicinal Chemistry, 2021, 211, 113053.	2.6	10
4	Multi-component reaction for the preparation of 1,5-disubstituted 1,2,3-triazoles by in-situ generation of azides and nickel-catalyzed azide-alkyne cycloaddition. Tetrahedron Letters, 2021, 73, 153131.	0.7	10
5	Molecular Design in Practice: A Review of Selected Projects in a French Research Institute That Illustrates the Link between Chemical Biology and Medicinal Chemistry. Molecules, 2021, 26, 6083.	1.7	0
6	Drug Target Engagement Using Coupled Cellular Thermal Shift Assayâ€"Acoustic Reverse-Phase Protein Array. SLAS Discovery, 2020, 25, 207-214.	1.4	7
7	Kinetic Target-Guided Synthesis: Reaching the Age of Maturity. Journal of Medicinal Chemistry, 2020, 63, 3817-3833.	2.9	24
8	Identification of ebselen as a potent inhibitor of insulin degrading enzyme by a drug repurposing screening. European Journal of Medicinal Chemistry, 2019, 179, 557-566.	2.6	13
9	Daytime variation of perioperative myocardial injury in cardiac surgery and its prevention by Rev-Erbî± antagonism: a single-centre propensity-matched cohort study and a randomised study. Lancet, The, 2018, 391, 59-69.	6.3	244
10	Ensemble cryoEM elucidates the mechanism of insulin capture and degradation by human insulin degrading enzyme. ELife, 2018, 7, .	2.8	45
11	Crystal Structures of ERAP2 Complexed with Inhibitors Reveal Pharmacophore Requirements for Optimizing Inhibitor Potency. ACS Medicinal Chemistry Letters, 2017, 8, 333-337.	1.3	17
12	Controlling Plasma Stability of Hydroxamic Acids: A MedChem Toolbox. Journal of Medicinal Chemistry, 2017, 60, 9067-9089.	2.9	40
13	ADAMTS5 promotes murine adipogenesis and visceral adipose tissue expansion. Thrombosis and Haemostasis, 2016, 116, 694-704.	1.8	16
14	Kinetic target-guided synthesis in drug discovery and chemical biology: a comprehensive facts and figures survey. Future Medicinal Chemistry, 2016, 8, 381-404.	1.1	32
15	Catalytic site inhibition of insulin-degrading enzyme by a small molecule induces glucose intolerance in mice. Nature Communications, 2015, 6, 8250.	5.8	71
16	Structureâ€"activity relationships of imidazole-derived 2-[N-carbamoylmethyl-alkylamino]acetic acids, dual binders of human insulin-degrading enzyme. European Journal of Medicinal Chemistry, 2015, 90, 547-567.	2.6	24
17	Inhibition of aggrecanases as a therapeutic strategy in osteoarthritis. Future Medicinal Chemistry, 2014, 6, 1399-1412.	1.1	15
18	Imidazole-derived 2-[N-carbamoylmethyl-alkylamino]acetic acids, substrate-dependent modulators of insulin-degrading enzyme in amyloid-î² hydrolysis. European Journal of Medicinal Chemistry, 2014, 79, 184-193.	2.6	27

#	Article	IF	Citations
19	Water-based conditions for the microscale parallel synthesis of bicyclic lactams. Tetrahedron Letters, 2013, 54, 562-567.	0.7	16
20	Aggrecanase-2 inhibitors based on the acylthiosemicarbazide zinc-binding group. European Journal of Medicinal Chemistry, 2013, 69, 244-261.	2.6	13
21	Structureâ€“Activity Relationships and Blood Distribution of Antiplasmodial Aminopeptidase-1 Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 10909-10917.	2.9	37
22	Stereoselective synthesis of enantiopure N-protected-3-arylpiperazines from keto-esters. Tetrahedron Letters, 2012, 53, 5215-5218.	0.7	6
23	Racemic and diastereoselective construction of indole alkaloids under solvent- and catalyst-free microwave-assisted Pictetâ€“Spengler condensation. Green Chemistry, 2012, 14, 909.	4.6	32
24	Novel selective inhibitors of neutral endopeptidase: discovery by screening and hit-to-lead optimisation. MedChemComm, 2012, 3, 469.	3.5	4
25	Fast and efficient solvent-free Passerini reaction. Tetrahedron Letters, 2012, 53, 306-308.	0.7	35
26	Squaric acid is a suitable building-block in 4C-Ugi reaction: access to original bivalent compounds. Tetrahedron Letters, 2012, 53, 458-461.	0.7	26
27	Efficient propylphosphonic anhydride (Â®T3P) mediated synthesis of benzothiazoles, benzoxazoles and benzimidazoles. Tetrahedron Letters, 2012, 53, 2440-2443.	0.7	103
28	Application of Ullmann and Ullmannâ€“Finkelstein reactions for the synthesis of N-aryl-N-(1H-pyrazol-3-yl) acetamide or N-(1-aryl-1H-pyrazol-3-yl) acetamide derivatives and pharmacological evaluation. European Journal of Medicinal Chemistry, 2011, 46, 3867-3876.	2.6	14
29	A facile and rapid synthesis of N-benzyl-2-substituted piperazines. Tetrahedron Letters, 2011, 52, 1705-1708.	0.7	28
30	Ugi reaction for the synthesis of 4-aminopiperidine-4-carboxylic acid derivatives. Application to the synthesis of carfentanil and remifentanil. Tetrahedron Letters, 2010, 51, 2983-2985.	0.7	37
31	Synthesis of five- and six-membered lactams via solvent-free microwave Ugi reaction. Tetrahedron Letters, 2010, 51, 5109-5111.	0.7	40
32	New non-hydroxamic ADAMTS-5 inhibitors based on the 1,2,4-triazole-3-thiol scaffold. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6213-6216.	1.0	21
33	Solvent-free microwave-assisted Meyersâ€™ lactamization. Green Chemistry, 2010, 12, 961.	4.6	32
34	Synthetic EthR inhibitors boost antituberculous activity of ethionamide. Nature Medicine, 2009, 15, 537-544.	15.2	162
35	Novel non-carboxylic acid retinoids: 1,2,4-Oxadiazol-5-one derivatives. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 489-492.	1.0	15
36	Hydroxamates: Relationships between Structure and Plasma Stability. Journal of Medicinal Chemistry, 2009, 52, 6790-6802.	2.9	94

#	Article	IF	Citations
37	Synthesis of a 200-member library of squaric acid N-hydroxylamide amides. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4968-4971.	1.0	23
38	Original loading and Suzuki conditions for the solid-phase synthesis of biphenyltetrazoles. Application to the first solid-phase synthesis of irbesartan. Tetrahedron Letters, 2008, 49, 2743-2747.	0.7	15
39	Natural Compounds: Leads or Ideas? Bioinspired Molecules for Drug Discovery. Chemical Biology and Drug Design, 2008, 72, 3-15.	1.5	80
40	Alkylsquarates as Key Intermediates for the Rapid Preparation of Original Drug-Inspired Compounds. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 294-303.	0.6	9
41	Novel Selective Inhibitors of the Zinc Plasmodial Aminopeptidase PfA-M1 as Potential Antimalarial Agents. Journal of Medicinal Chemistry, 2007, 50, 1322-1334.	2.9	61
42	A versatile solid-phase synthesis of 3-aryl-1,2,4-oxadiazolones and analogues. Tetrahedron Letters, 2007, 48, 1479-1483.	0.7	14
43	Convenient synthesis of 4H-1,2,4-triazole-3-thiols using di-2-pyridylthionocarbonate. Tetrahedron Letters, 2007, 48, 8157-8162.	0.7	24
44	A library of novel hydroxamic acids targeting the metallo-protease family: Design, parallel synthesis and screening. Bioorganic and Medicinal Chemistry, 2007, 15, 63-76.	1.4	36
45	1,4-Bis(3-Aminopropyl)Piperazine Libraries: From the Discovery of Classical Chloroquine-Like Antimalarials to the Identification of New Targets. Combinatorial Chemistry and High Throughput Screening, 2005, 8, 39-48.	0.6	7
46	Facts, Figures and Trends in Lead Generation. Current Topics in Medicinal Chemistry, 2004, 4, 569-580.	1.0	22
47	Synthesis and Antimalarial Evaluation of New 1,4-Bis(3-aminopropyl)piperazine Derivatives.. ChemInform, 2004, 35, no.	0.1	0
48	A simple reaction to produce small structurally complex and diverse molecules. Tetrahedron Letters, 2004, 45, 5287-5290.	0.7	20
49	Synthesis, Antimalarial Activity, and Molecular Modeling of New Pyrrolo[1,2-a]quinoxalines, Bispyrrolo[1,2-a]quinoxalines, Bispyrido[3,2-e]pyrrolo[1,2-a]pyrazines, and Bispyrrolo[1,2-a]thieno[3,2-e]pyrazines. Journal of Medicinal Chemistry, 2004, 47, 1997-2009.	2.9	151
50	Design, Synthesis and Antimalarial Activity of Novel, Quinoline-Based, Zinc Metallo-Aminopeptidase Inhibitors.. ChemInform, 2003, 34, no.	0.1	1
51	Synthesis and antimalarial evaluation of new 1,4-bis(3-aminopropyl)piperazine derivatives. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 3783-3787.	1.0	26
52	Design, synthesis and antimalarial activity of novel, quinoline-Based, zinc metallo-aminopeptidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 2659-2662.	1.0	53
53	Synthesis and in Vitro and in Vivo Antimalarial Activity of N-(7-Chloro-4-quinolyl)-1,4-bis(3-aminopropyl)piperazine Derivatives. Journal of Medicinal Chemistry, 2003, 46, 542-557.	2.9	113
54	Parallel Synthesis and Anti-Malarial Activity of a Sulfonamide Library. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 2595-2598.	1.0	45

#	Article	IF	Citations
55	From Hit to Lead. Analyzing Structureâ^'Profile Relationships. Journal of Medicinal Chemistry, 2001, 44, 3391-3401.	2.9	32
56	From Hit to Lead. Combining Two Complementary Methods for Focused Library Design. Application to Î¼ Opiate Ligands. Journal of Medicinal Chemistry, 2001, 44, 3378-3390.	2.9	39
57	Parallel synthesis of 1,2,4-oxadiazoles from carboxylic acids using an improved, uronium-based, activation. Tetrahedron Letters, 2001, 42, 1495-1498.	0.7	83
58	Cycloaddition of homophthalic anhydrides with aldehydes and ketones: a route to 3,4-dihydroisocoumarin-4-carboxylic acid derivatives. Tetrahedron, 1999, 55, 13735-13740.	1.0	15