

Julie Charton

List of Publications by Year in descending order

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42
papers

1,240
citations

471061

17
h-index

360668

35
g-index

46
all docs

46
docs citations

46
times ranked

2211
citing authors

#	ARTICLE	IF	CITATIONS
1	The Bile Acid Chenodeoxycholic Acid Increases Human Brown Adipose Tissue Activity. <i>Cell Metabolism</i> , 2015, 22, 418-426.	7.2	342
2	Hydroxamates: Relationships between Structure and Plasma Stability. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 6790-6802.	2.9	94
3	Hypothalamic bile acid-TGR5 signaling protects from obesity. <i>Cell Metabolism</i> , 2021, 33, 1483-1492.e10.	7.2	79
4	Catalytic site inhibition of insulin-degrading enzyme by a small molecule induces glucose intolerance in mice. <i>Nature Communications</i> , 2015, 6, 8250.	5.8	71
5	Synthesis and biological evaluation of benzimidazole derivatives as potent AMP-activated protein kinase activators. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 4490-4518.	1.4	60
6	Drug to Genome to Drug: Discovery of New Antiplasmodial Compounds. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 3222-3240.	2.9	57
7	Topical Intestinal Aminoimidazole Agonists of G-Protein-Coupled Bile Acid Receptor 1 Promote Glucagon Like Peptide-1 Secretion and Improve Glucose Tolerance. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4185-4211.	2.9	48
8	Conversion of Sterically Hindered Diacylated 1,2-Phenylenediamines into 2-Substituted Benzimidazoles. <i>Chemical and Pharmaceutical Bulletin</i> , 2005, 53, 492-497.	0.6	36
9	A library of novel hydroxamic acids targeting the metallo-protease family: Design, parallel synthesis and screening. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 63-76.	1.4	36
10	Imidazole-derived 2-[N-carbamoylmethyl-alkylamino]acetic acids, substrate-dependent modulators of insulin-degrading enzyme in amyloid- β^2 hydrolysis. <i>European Journal of Medicinal Chemistry</i> , 2014, 79, 184-193.	2.6	27
11	Squaric acid is a suitable building-block in 4C-Ugi reaction: access to original bivalent compounds. <i>Tetrahedron Letters</i> , 2012, 53, 458-461.	0.7	26
12	Convenient synthesis of 4H-1,2,4-triazole-3-thiols using di-2-pyridylthionocarbonate. <i>Tetrahedron Letters</i> , 2007, 48, 8157-8162.	0.7	24
13	Structure-activity relationships of imidazole-derived 2-[N-carbamoylmethyl-alkylamino]acetic acids, dual binders of human insulin-degrading enzyme. <i>European Journal of Medicinal Chemistry</i> , 2015, 90, 547-567.	2.6	24
14	Synthesis of a 200-member library of squaric acid N-hydroxylamide amides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 4968-4971.	1.0	23
15	NMR Spectroscopy of the Main Protease of SARS-CoV-2 and Fragment-Based Screening Identify Three Protein Hotspots and an Antiviral Fragment. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25428-25435.	7.2	22
16	Drug-to-Genome-to-Drug, Step 2: Reversing Selectivity in a Series of Antiplasmodial Compounds. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1274-1286.	2.9	20
17	Convenient synthesis of tetrahydroisoquinoline-hydantoins. <i>Tetrahedron Letters</i> , 2001, 42, 7559-7561.	0.7	19
18	Supercritical fluid chromatography versus high performance liquid chromatography for enantiomeric and diastereoisomeric separations on coated polysaccharides-based stationary phases: Application to dihydropyridone derivatives. <i>Journal of Chromatography A</i> , 2018, 1549, 39-50.	1.8	17

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19	Application of tandem coupling of columns in supercritical fluid chromatography for stereoisomeric separation: Optimization and simulation. <i>Journal of Chromatography A</i> , 2019, 1588, 115-126.	1.8	17
20	Optimized synthesis of tetrahydroisoquinoline-hydantoins. <i>Tetrahedron Letters</i> , 2004, 45, 7081-7085.	0.7	16
21	Synthesis and pharmacological evaluation of Tic-hydantoin derivatives as selective 5-HT_1 ligands. Part 1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4833-4837.	1.0	15
22	Novel non-carboxylic acid retinoids: 1,2,4-Oxadiazol-5-one derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 489-492.	1.0	15
23	Characterization of monoclonal antibodies by a fast and easy liquid chromatography-mass spectrometry time-of-flight analysis on culture supernatant. <i>Analytical Biochemistry</i> , 2015, 491, 52-54.	1.1	15
24	A versatile solid-phase synthesis of 3-aryl-1,2,4-oxadiazolones and analogues. <i>Tetrahedron Letters</i> , 2007, 48, 1479-1483.	0.7	14
25	Determination of pKa values of benzimidazole derivatives from mobility obtained by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 1267-1271.	1.4	13
26	Identification of ebselen as a potent inhibitor of insulin degrading enzyme by a drug repurposing screening. <i>European Journal of Medicinal Chemistry</i> , 2019, 179, 557-566.	2.6	13
27	Enantioseparation of chiral benzimidazole derivatives by electrokinetic chromatography using sulfated cyclodextrins. <i>Journal of Separation Science</i> , 2009, 32, 1907-1915.	1.3	11
28	Synthesis and pharmacological evaluation of Tic-hydantoin derivatives as selective 5-HT_1 ligands. Part 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4828-4832.	1.0	10
29	Single and dual cyclodextrins systems for the enantiomeric and diastereoisomeric separations of structurally related dihydropyridone analogues. <i>Electrophoresis</i> , 2017, 38, 1922-1931.	1.3	10
30	Modulators of hERAP2 discovered by high-throughput screening. <i>European Journal of Medicinal Chemistry</i> , 2021, 211, 113053.	2.6	10
31	Supercritical fluid chromatography and liquid chromatography for isomeric separation of a multiple chiral centers analyte. <i>Journal of Chromatography A</i> , 2021, 1651, 462270.	1.8	10
32	Alkylsquares as Key Intermediates for the Rapid Preparation of Original Drug-Inspired Compounds. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2008, 11, 294-303.	0.6	9
33	Access to newly functionalized imidazole derivatives: efficient synthesis of novel 5-amino-2-thioimidazoles using propylphosphonic anhydride (ATP). <i>Tetrahedron Letters</i> , 2015, 56, 1011-1014.	0.7	9
34	Beyond the Rule of 5: Impact of PEGylation with Various Polymer Sizes on Pharmacokinetic Properties, Structure-Properties Relationships of mPEGylated Small Agonists of TGR5 Receptor. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1593-1610.	2.9	9
35	Preparative enantiomeric separation of potent AMP-activated protein kinase activator by HPLC on amylose-based chiral stationary phase. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 920-928.	1.4	8
36	Development of HPLC/fluorescence detection method for chiral resolution of dansylated benzimidazoles derivatives. <i>Biomedical Chromatography</i> , 2014, 28, 4-9.	0.8	3

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37	Electrophoretic separation of multiple chiral center analyte with a three cyclodextrins mixture. <i>Electrophoresis</i> , 2021, 42, 1810-1817.	1.3	3
38	Identification of indole-based activators of insulin degrading enzyme. <i>European Journal of Medicinal Chemistry</i> , 2022, 228, 113982.	2.6	3
39	NMR spectroscopy of the main protease of SARS-CoV-2 and fragment-based screening identify three protein hotspots and an antiviral fragment. <i>Angewandte Chemie</i> , 2021, 133, 25632.	1.6	2
40	Optimized Synthesis of Tetrahydroisoquinoline-Hydantoins.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
41	Conversion of Sterically Hindered Diacylated 1,2-Phenylenediamines into 2-Substituted Benzimidazoles.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
42	Molecular Design in Practice: A Review of Selected Projects in a French Research Institute That Illustrates the Link between Chemical Biology and Medicinal Chemistry. <i>Molecules</i> , 2021, 26, 6083.	1.7	0