

Laurent Devel

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,266
citations

471509

17
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1444
citing authors

#	ARTICLE	IF	CITATIONS
1	A new transcriptional role for matrix metalloproteinase-12 in antiviral immunity. <i>Nature Medicine</i> , 2014, 20, 493-502.	30.7	218
2	A Selective Matrix Metalloproteinase-12 Inhibitor Retards Atherosclerotic Plaque Development in Apolipoprotein Eâ€“Knockout Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 528-535.	2.4	144
3	Development of Selective Inhibitors and Substrate of Matrix Metalloproteinase-12. <i>Journal of Biological Chemistry</i> , 2006, 281, 11152-11160.	3.4	134
4	Future challenges facing the development of specific active-site-directed synthetic inhibitors of MMPs. <i>Biochimie</i> , 2005, 87, 393-402.	2.6	109
5	Matrix Metalloproteinases: From Molecular Mechanisms to Physiology, Pathophysiology, and Pharmacology. <i>Pharmacological Reviews</i> , 2022, 74, 714-770.	16.0	95
6	Third generation of matrix metalloprotease inhibitors: Gain in selectivity by targeting the depth of the S1â€“2 cavity. <i>Biochimie</i> , 2010, 92, 1501-1508.	2.6	88
7	Insights from Selective Non-phosphinic Inhibitors of MMP-12 Tailored to Fit with an S1â€“2 Loop Canonical Conformation. <i>Journal of Biological Chemistry</i> , 2010, 285, 35900-35909.	3.4	48
8	Crystallization of bi-functional ligand protein complexes. <i>Journal of Structural Biology</i> , 2013, 182, 246-254.	2.8	45
9	Cross-Linking Yield Variation of a Potent Matrix Metalloproteinase Photoaffinity Probe and Consequences for Functional Proteomics. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3275-3277.	13.8	42
10	Molecular Determinants of a Selective Matrix Metalloprotease-12 Inhibitor: Insights from Crystallography and Thermodynamic Studies. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1149-1159.	6.4	37
11	Simple Pseudo-dipeptides with a P2â€“2 Glutamate. <i>Journal of Biological Chemistry</i> , 2012, 287, 26647-26656.	3.4	35
12	In Vivo Imaging of Matrix Metalloproteinase 12 and Matrix Metalloproteinase 13 Activities in the Mouse Model of Collagenâ€“Induced Arthritis. <i>Arthritis and Rheumatology</i> , 2014, 66, 589-598.	5.6	29
13	Molecular Determinants of Matrix Metalloproteinase-12 Covalent Modification by a Photoaffinity Probe. <i>Journal of Biological Chemistry</i> , 2008, 283, 31058-31067.	3.4	27
14	Zincâ€“Metalloproteinase Inhibitors: Evaluation of the Complex Role Played by the Zinc-Binding Group on Potency and Selectivity. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 403-414.	6.4	27
15	Synthesis and in Vitro and in Vivo Evaluation of MMP-12 Selective Optical Probes. <i>Bioconjugate Chemistry</i> , 2016, 27, 2407-2417.	3.6	26
16	Detection of Matrix Metalloproteinase Active Forms in Complex Proteomes: Evaluation of Affinity versus Photoaffinity Capture. <i>Journal of Proteome Research</i> , 2009, 8, 2484-2494.	3.7	22
17	Optical imaging of MMP-12 active form in inflammation and aneurysm. <i>Scientific Reports</i> , 2016, 6, 38345.	3.3	20
18	Probing the Mechanism of Allylic Substitution of Moritaâ€“Baylisâ€“Hillman Acetates (MBHAs) by using the Silyl Phosphonite Paradigm: Scope and Applications of a Versatile Transformation. <i>Chemistry - A European Journal</i> , 2015, 21, 3278-3289.	3.3	15

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19	Analytical Methods for the Detection and Quantification of ADCs in Biological Matrices. <i>Pharmaceuticals</i> , 2020, 13, 462.	3.8	15
20	Screening Using Polymorphs for the Crystallization of Protein-Ligand Complexes. <i>Crystal Growth and Design</i> , 2013, 13, 1878-1888.	3.0	14
21	Novel Matrix Metalloproteinase 12 Selective Radiotracers for Vascular Molecular Imaging. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9743-9752.	6.4	13
22	Hydroxamate-Based Selective Macrophage Elastase (MMP-12) Inhibitors and Radiotracers for Molecular Imaging. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 15037-15049.	6.4	12
23	Synthesis and Structural/Functional Characterization of Selective M14 Metalloprotease Inhibitors Based on Phosphinic Pseudopeptide Scaffold: Implications on the Design of Specific Optical Probes. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1917-1931.	6.4	8
24	Ligand-Directed Modification of Active Matrix Metalloproteases: Activity-Based Probes with no Photolabile Group. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18272-18279.	13.8	8
25	Targeting out of range biomolecules: Chemical labeling strategies for qualitative and quantitative MALDI MS-based detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116399.	11.4	8
26	Biodistribution of Nanostructured Lipid Carriers in Mice Atherosclerotic Model. <i>Molecules</i> , 2019, 24, 3499.	3.8	7
27	Monitoring In Vivo Performances of Protein-Drug Conjugates Using Site-Selective Dual Radiolabeling and Ex Vivo Digital Imaging. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6953-6968.	6.4	6
28	Late-Stage Diversification of Phosphinic Dehydroalanine Pseudopeptides Based on a Giese-Type Radical C-Alkylation Strategy. <i>Organic Letters</i> , 2019, 21, 4397-4401.	4.6	4
29	Practical Synthesis of Phosphinic Dipeptides by Tandem Esterification of Aminophosphinic and Acrylic Acids under Silylating Conditions. <i>Molecules</i> , 2022, 27, 1242.	3.8	3
30	Ligand-Directed Modification of Active Matrix Metalloproteases: Activity-Based Probes with no Photolabile Group. <i>Angewandte Chemie</i> , 2021, 133, 18420-18427.	2.0	0