

Laura E Edgington

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,584
citations

361045

20
h-index

315357

38
g-index

44
all docs

44
docs citations

44
times ranked

2273
citing authors

#	ARTICLE	IF	CITATIONS
1	Ubiquitin-like protein 3 (UBL3) is required for MARCH ubiquitination of major histocompatibility complex class II and CD86. <i>Nature Communications</i> , 2022, 13, 1934.	5.8	13
2	Legumain Induces Oral Cancer Pain by Biased Agonism of Protease-Activated Receptor-2. <i>Journal of Neuroscience</i> , 2021, 41, 193-210.	1.7	32
3	Editorial overview: Systems biology and the rise and rise of omics approaches. <i>Current Opinion in Chemical Biology</i> , 2021, 60, A1-A3.	2.8	1
4	C/EBP β /AEP Signaling Regulates the Oxidative Stress in Malignant Cancers, Stimulating the Metastasis. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 1640-1652.	1.9	13
5	Targeting both BDNF/TrkB pathway and delta-secretase for treating Alzheimer's disease. <i>Neuropharmacology</i> , 2021, 197, 108737.	2.0	20
6	Mitochondrial dysfunction triggers the pathogenesis of Parkinson's disease in neuronal C/EBP β transgenic mice. <i>Molecular Psychiatry</i> , 2021, 26, 7838-7850.	4.1	26
7	MHC Class II Ubiquitination Regulates Dendritic Cell Function and Immunity. <i>Journal of Immunology</i> , 2021, 207, 2255-2264.	0.4	10
8	Hydroxychloroquine inhibits the mitochondrial antioxidant system in activated T cells. <i>iScience</i> , 2021, 24, 103509.	1.9	10
9	N-Terminomics/TAILS Profiling of Macrophages after Chemical Inhibition of Legumain. <i>Biochemistry</i> , 2020, 59, 329-340.	1.2	14
10	High-Resolution Confocal Fluorescence Imaging of Serine Hydrolase Activity in Cryosections – Application to Glioma Brain Unveils Activity Hotspots Originating from Tumor-Associated Neutrophils. <i>Biological Procedures Online</i> , 2020, 22, 6.	1.4	6
11	System-wide biochemical analysis reveals ozonide antimalarials initially act by disrupting Plasmodium falciparum haemoglobin digestion. <i>PLoS Pathogens</i> , 2020, 16, e1008485.	2.1	24
12	Application of a Sulfoxonium Ylide Electrophile to Generate Cathepsin X-Selective Activity-Based Probes. <i>ACS Chemical Biology</i> , 2020, 15, 718-727.	1.6	17
13	Proteomics and Imaging in Crohn's Disease: TAILS of Unlikely Allies. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 74-84.	4.0	7
14	Novel broad-spectrum activity-based probes to profile malarial cysteine proteases. <i>PLoS ONE</i> , 2020, 15, e0227341.	1.1	9
15	Lysosomal degradation products induce <i>Coxiella burnetii</i> virulence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6801-6810.	3.3	40
16	N-Terminomics/TAILS Profiling of Proteases and Their Substrates in Ulcerative Colitis. <i>ACS Chemical Biology</i> , 2019, 14, 2471-2483.	1.6	16
17	Application of a chemical probe to detect neutrophil elastase activation during inflammatory bowel disease. <i>Scientific Reports</i> , 2019, 9, 13295.	1.6	22
18	Loss of O-Linked Protein Glycosylation in Burkholderia cenocepacia Impairs Biofilm Formation and Siderophore Activity and Alters Transcriptional Regulators. <i>MSphere</i> , 2019, 4, .	1.3	12

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19	Sez6 levels are elevated in cerebrospinal fluid of patients with inflammatory pain-associated conditions. <i>Pain Reports</i> , 2019, 4, e719.	1.4	4
20	Fluorescent diphenylphosphonate-based probes for detection of serine protease activity during inflammation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 254-260.	1.0	27
21	Myoepithelial cell-specific expression of stefin A as a suppressor of early breast cancer invasion. <i>Journal of Pathology</i> , 2017, 243, 496-509.	2.1	44
22	Live Cell Imaging and Profiling of Cysteine Cathepsin Activity Using a Quenched Activity-Based Probe. <i>Methods in Molecular Biology</i> , 2017, 1491, 145-159.	0.4	36
23	Detection of Active Caspases During Apoptosis Using Fluorescent Activity-Based Probes. <i>Methods in Molecular Biology</i> , 2016, 1419, 27-39.	0.4	11
24	Legumain is activated in macrophages during pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G548-G560.	1.6	35
25	Pathophysiological roles of proteases in gastrointestinal disease. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G234-G239.	1.6	20
26	Probes to Monitor Activity of the Paracaspase MALT1. <i>Chemistry and Biology</i> , 2015, 22, 139-147.	6.2	23
27	Inhibition of cathepsin proteases attenuates migration and sensitizes aggressive N-Myc amplified human neuroblastoma cells to doxorubicin. <i>Oncotarget</i> , 2015, 6, 11175-11190.	0.8	22
28	Cysteine cathepsin activity suppresses osteoclastogenesis of myeloid-derived suppressor cells in breast cancer. <i>Oncotarget</i> , 2015, 6, 27008-27022.	0.8	39
29	The Apoptosis Repressor with a CARD Domain (ARC) Gene Is a Direct Hypoxia-Inducible Factor 1 Target Gene and Promotes Survival and Proliferation of VHL-Deficient Renal Cancer Cells. <i>Molecular and Cellular Biology</i> , 2014, 34, 739-751.	1.1	32
30	Functional Imaging of Legumain in Cancer Using a New Quenched Activity-Based Probe. <i>Journal of the American Chemical Society</i> , 2013, 135, 174-182.	6.6	131
31	In Vivo Imaging and Biochemical Characterization of Protease Function Using Fluorescent Activity-Based Probes. <i>Current Protocols in Chemical Biology</i> , 2013, 5, 25-44.	1.7	20
32	Ferrous iron-dependent drug delivery enables controlled and selective release of therapeutic agents in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18244-18249.	3.3	19
33	Validation of the Proteasome as a Therapeutic Target in Plasmodium Using an Epoxyketone Inhibitor with Parasite-Specific Toxicity. <i>Chemistry and Biology</i> , 2012, 19, 1535-1545.	6.2	76
34	Treatment of arthritis by macrophage depletion and immunomodulation: Testing an apoptosis-mediated therapy in a humanized death receptor mouse model. <i>Arthritis and Rheumatism</i> , 2012, 64, 1098-1109.	6.7	53
35	An Optimized Activity-Based Probe for the Study of Caspase-6 Activation. <i>Chemistry and Biology</i> , 2012, 19, 340-352.	6.2	52
36	A Nonpeptidic Cathepsin S Activity-Based Probe for Noninvasive Optical Imaging of Tumor-Associated Macrophages. <i>Chemistry and Biology</i> , 2012, 19, 619-628.	6.2	103

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37	Non-Invasive Imaging of Cysteine Cathepsin Activity in Solid Tumors Using a ⁶⁴ Cu-Labeled Activity-Based Probe. PLoS ONE, 2011, 6, e28029.	1.1	42
38	Functional imaging of proteases: recent advances in the design and application of substrate-based and activity-based probes. Current Opinion in Chemical Biology, 2011, 15, 798-805.	2.8	157
39	Comparative Assessment of Substrates and Activity Based Probes as Tools for Non-Invasive Optical Imaging of Cysteine Protease Activity. PLoS ONE, 2009, 4, e6374.	1.1	72
40	Noninvasive optical imaging of apoptosis by caspase-targeted activity-based probes. Nature Medicine, 2009, 15, 967-973.	15.2	273