

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	Noninvasive optical imaging of apoptosis by caspase-targeted activity-based probes. <i>Nature Medicine</i> , 2009, 15, 967-973.	15.2	273
2	Functional imaging of proteases: recent advances in the design and application of substrate-based and activity-based probes. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 798-805.	2.8	157
3	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
4	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
5	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
6	Comparative Assessment of Substrates and Activity Based Probes as Tools for Non-Invasive Optical Imaging of Cysteine Protease Activity. <i>PLoS ONE</i> , 2009, 4, e6374.	1.1	72
7	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
8	An Optimized Activity-Based Probe for the Study of Caspase-6 Activation. <i>Chemistry and Biology</i> , 2012, 19, 340-352.	6.2	52
9	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
10	Non-Invasive Imaging of Cysteine Cathepsin Activity in Solid Tumors Using a ⁶⁴ Cu-Labeled Activity-Based Probe. <i>PLoS ONE</i> , 2011, 6, e28029.	1.1	42
11	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
12	Cysteine cathepsin activity suppresses osteoclastogenesis of myeloid-derived suppressor cells in breast cancer. <i>Oncotarget</i> , 2015, 6, 27008-27022.	0.8	39
13	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
14	Legumain is activated in macrophages during pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G548-G560.	1.6	35
15	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
16	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
17	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
18	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

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19	System-wide biochemical analysis reveals ozonide antimalarials initially act by disrupting Plasmodium falciparum haemoglobin digestion. PLoS Pathogens, 2020, 16, e1008485.	2.1	24
20	Probes to Monitor Activity of the Paracaspase MALT1. Chemistry and Biology, 2015, 22, 139-147.	6.2	23
21	Application of a chemical probe to detect neutrophil elastase activation during inflammatory bowel disease. Scientific Reports, 2019, 9, 13295.	1.6	22
22	Inhibition of cathepsin proteases attenuates migration and sensitizes aggressive N-Myc amplified human neuroblastoma cells to doxorubicin. Oncotarget, 2015, 6, 11175-11190.	0.8	22
23	In Vivo Imaging and Biochemical Characterization of Protease Function Using Fluorescent Activity-Based Probes. Current Protocols in Chemical Biology, 2013, 5, 25-44.	1.7	20
24	Pathophysiological roles of proteases in gastrointestinal disease. American Journal of Physiology - Renal Physiology, 2016, 310, G234-G239.	1.6	20
25	Targeting both BDNF/TrkB pathway and delta-secretase for treating Alzheimer's disease. Neuropharmacology, 2021, 197, 108737.	2.0	20
26	Ferrous iron-dependent drug delivery enables controlled and selective release of therapeutic agents in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18244-18249.	3.3	19
27	Application of a Sulfoxonium Ylide Electrophile to Generate Cathepsin X-Selective Activity-Based Probes. ACS Chemical Biology, 2020, 15, 718-727.	1.6	17
28	N-Terminomics/TAILS Profiling of Proteases and Their Substrates in Ulcerative Colitis. ACS Chemical Biology, 2019, 14, 2471-2483.	1.6	16
29	N-Terminomics/TAILS Profiling of Macrophages after Chemical Inhibition of Legumain. Biochemistry, 2020, 59, 329-340.	1.2	14
30	C/EBP β /AEP Signaling Regulates the Oxidative Stress in Malignant Cancers, Stimulating the Metastasis. Molecular Cancer Therapeutics, 2021, 20, 1640-1652.	1.9	13
31	Ubiquitin-like protein 3 (UBL3) is required for MARCH ubiquitination of major histocompatibility complex class II and CD86. Nature Communications, 2022, 13, 1934.	5.8	13
32	Loss of <i>O</i> -Linked Protein Glycosylation in Burkholderia cenocepacia Impairs Biofilm Formation and Siderophore Activity and Alters Transcriptional Regulators. MSphere, 2019, 4, .	1.3	12
33	Detection of Active Caspases During Apoptosis Using Fluorescent Activity-Based Probes. Methods in Molecular Biology, 2016, 1419, 27-39.	0.4	11
34	MHC Class II Ubiquitination Regulates Dendritic Cell Function and Immunity. Journal of Immunology, 2021, 207, 2255-2264.	0.4	10
35	Hydroxychloroquine inhibits the mitochondrial antioxidant system in activated T cells. iScience, 2021, 24, 103509.	1.9	10
36	Novel broad-spectrum activity-based probes to profile malarial cysteine proteases. PLoS ONE, 2020, 15, e0227341.	1.1	9

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37	Proteomics and Imaging in Crohn's Disease: TAILS of Unlikely Allies. Trends in Pharmacological Sciences, 2020, 41, 74-84.	4.0	7
38	High-Resolution Confocal Fluorescence Imaging of Serine Hydrolase Activity in Cryosections "Application to Glioma Brain Unveils Activity Hotspots Originating from Tumor-Associated Neutrophils. Biological Procedures Online, 2020, 22, 6.	1.4	6
39	Sez6 levels are elevated in cerebrospinal fluid of patients with inflammatory pain-associated conditions. Pain Reports, 2019, 4, e719.	1.4	4
40	Editorial overview: Systems biology and the rise and rise of omics approaches. Current Opinion in Chemical Biology, 2021, 60, A1-A3.	2.8	1