Emmanuel Pinteaux

List of Publications by Year
in descending order

80 papers	4,496 citations	94381 37 h-index	106281 65 g-index
83 all docs	83 docs citations	83 times ranked	7356 citing authors

#	Article	IF	Citations
1	Genetic Cell Ablation Reveals Clusters of Local Self-Renewing Microglia in the Mammalian Central Nervous System. Immunity, 2015, 43, 92-106.	6.6	506
2	Interleukin-1Î² has atheroprotective effects in advanced atherosclerotic lesions of mice. Nature Medicine, 2018, 24, 1418-1429.	15.2	192
3	Endogenous Interleukin-1 Receptor Antagonist Mediates Anti-Inflammatory and Neuroprotective Actions of Cannabinoids in Neurons and Glia. Journal of Neuroscience, 2003, 23, 6470-6474.	1.7	185
4	Neutrophil Cerebrovascular Transmigration Triggers Rapid Neurotoxicity through Release of Proteases Associated with Decondensed DNA. Journal of Immunology, 2012, 189, 381-392.	0.4	174
5	Interleukin-1 primes human mesenchymal stem cells towards an anti-inflammatory and pro-trophic phenotype in vitro. Stem Cell Research and Therapy, 2017, 8, 79.	2.4	168
6	Expression of interleukin-1 receptors and their role in interleukin-1 actions in murine microglial cells. Journal of Neurochemistry, 2002, 83, 754-763.	2.1	151
7	Interleukin-1-induced neurotoxicity is mediated by glia and requires caspase activation and free radical release. Journal of Neurochemistry, 2006, 98, 258-266.	2.1	147
8	Early changes in extracellular matrix in Alzheimer's disease. Neuropathology and Applied Neurobiology, 2017, 43, 167-182.	1.8	139
9	Microglia in the Neurovascular Unit: Bloodâ€“Brain Barrierâ€“microglia Interactions After Central Nervous System Disorders. Neuroscience, 2019, 405, 55-67.	1.1	119
10	NF-ÂB activation by the Toll-IL-1 receptor domain protein MyD88 adapter-like is regulated by caspase-1. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3372-3377.	3.3	118
11	Neuronal toll-like receptor 4 signaling induces brain endothelial activation and neutrophil transmigration in vitro. Journal of Neuroinflammation, 2012, 9, 230.	3.1	113
12	Neuroprotective actions of endogenous interleukin-1 receptor antagonist (IL-1ra) are mediated by glia. Glia, 2006, 53, 551-556.	2.5	110
13	Interleukin-1 and Stroke: Biomarker, Harbinger of Damage, and Therapeutic Target. Cerebrovascular Diseases, 2011, 32, 517-527.	0.8	103
14	Leptin induces interleukin-1Î² release from rat microglial cells through a caspase 1 independent mechanism. Journal of Neurochemistry, 2007, 102, 826-833.	2.1	88
15	Transport of interleukinâ€1 across cerebromicrovascular endothelial cells. British Journal of Pharmacology, 2009, 156, 1115-1123.	2.7	82
16	Neurogenesis After Stroke: A Therapeutic Perspective. Translational Stroke Research, 2021, 12, 1-14.	2.3	79
17	IL-1Î² signalling in glial cells in wildtype and IL-1RI deficient mice. British Journal of Pharmacology, 2002, 136, 312-320.	2.7	77
18	Pentraxin 3 mediates neurogenesis and angiogenesis after cerebral ischaemia. Journal of Neuroinflammation, 2015, 12, 15.	3.1	77

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19	Changes in the secretome of tri-dimensional spheroid-cultured human mesenchymal stem cells in vitro by interleukin-1 priming. Stem Cell Research and Therapy, 2018, 9, 11.	2.4	74
20	The Acute-Phase Protein PTX3 is an Essential Mediator of Glial Scar Formation and Resolution of Brain Edema after Ischemic Injury. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 480-488.	2.4	73
21	Neuroprotective effects of the synthetic cannabinoid HU-210 in primary cortical neurons are mediated by phosphatidylinositol 3-kinase/AKT signaling. Molecular and Cellular Neurosciences, 2005, 28, 189-194.	1.0	67
22	Transfer of complex regional pain syndrome to mice via human autoantibodies is mediated by interleukin-1â€“induced mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13067-13076.	3.3	66
23	Cell-specific and concentration-dependent actions of interleukin-1 in acute brain inflammation. Cytokine, 2009, 45, 1-7.	1.4	62
24	Loss of substance P and inflammation precede delayed neurodegeneration in the substantia nigra after cerebral ischemia. Brain, Behavior, and Immunity, 2013, 29, 51-61.	2.0	56
25	The extracellular matrix protein laminin-10 promotes bloodâ€“brain barrier repair after hypoxia and inflammation in vitro. Journal of Neuroinflammation, 2016, 13, 25.	3.1	54
26	Interleukinâ€1â€induced interleukinâ€6 synthesis is mediated by the neutral sphingomyelinase/Src kinase pathway in neurones. British Journal of Pharmacology, 2008, 153, 775-783.	2.7	53
27	Regenerative Medicine Therapies for Targeting Neuroinflammation After Stroke. Frontiers in Neurology, 2018, 9, 734.	1.1	52
28	Reactive Oxygen Speciesâ€Responsive Nanoparticles for the Treatment of Ischemic Stroke. Advanced Therapeutics, 2019, 2, 1900038.	1.6	51
29	<scp>IL</scp> â€1 signaling is critical for expansion but not generation of autoreactive <scp>GM</scp> â€• <scp>CSF</scp> ⁺ Th17 cells. EMBO Journal, 2017, 36, 102-115.	3.5	50
30	Matrix metalloproteinase-9 and urokinase plasminogen activator mediate interleukin-1-induced neurotoxicity. Molecular and Cellular Neurosciences, 2008, 37, 135-142.	1.0	49
31	Regulation of expression of the novel IL-1 receptor family members in the mouse brain. Journal of Neurochemistry, 2005, 95, 324-330.	2.1	48
32	Interleukin-1 mediates ischaemic brain injury via distinct actions on endothelial cells and cholinergic neurons. Brain, Behavior, and Immunity, 2019, 76, 126-138.	2.0	48
33	Modulation of Oxygen-Radical-Scavenging Enzymes by Oxidative Stress in Primary Cultures of Rat Astroglial Cells. Developmental Neuroscience, 1996, 18, 397-404.	1.0	46
34	Mechanisms of regulation for interleukin-1Î² in neurodegenerative disease. Neuropharmacology, 2007, 52, 1563-1569.	2.0	45
35	Adhesion to the extracellular matrix is required for interleukin-1 beta actions leading to reactive phenotype in rat astrocytes. Molecular and Cellular Neurosciences, 2010, 44, 272-281.	1.0	44
36	Fibroblast-specific deletion of IL-1 receptor-1 reduces adverse cardiac remodeling following myocardial infarction. JCI Insight, 2019, 4, .	2.3	44

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37	IL-1Rrp2 expression and IL-1F9 (IL-1H1) actions in brain cells. Journal of Neuroimmunology, 2003, 139, 36-43.	1.1	42
38	Î²1 integrin is a sensor of blood flow direction. Journal of Cell Science, 2019, 132, .	1.2	41
39	Interleukin 1 alpha administration is neuroprotective and neuro-restorative following experimental ischemic stroke. Journal of Neuroinflammation, 2019, 16, 222.	3.1	39
40	The Expanding Interleukin-1 Family and Its Receptors: Do Alternative IL-1 Receptor/Signaling Pathways Exist in the Brain?. Molecular Neurobiology, 2003, 27, 239-248.	1.9	38
41	<scp>IL</scp>â€1alpha induces angiogenesis in brain endothelial cells inÂvitro: implications for brain angiogenesis after acute injury. Journal of Neurochemistry, 2016, 136, 573-580.	2.1	38
42	Identification of a truncated IL-18RÎ² mRNA: a putative regulator of IL-18 expressed in rat brain. Journal of Neuroimmunology, 2003, 145, 40-45.	1.1	36
43	Differential effects of interleukin-1 alpha and beta on interleukin-6 and chemokine synthesis in neurones. Molecular and Cellular Neurosciences, 2008, 38, 259-265.	1.0	35
44	Activation of brain endothelial cells by interleukin-1 is regulated by the extracellular matrix after acute brain injury. Molecular and Cellular Neurosciences, 2013, 57, 93-103.	1.0	35
45	Distribution of mitochondrial manganese superoxide dismutase among rat glial cells in culture. , 1998, 22, 408-414.		32
46	Recombinant Tissue Plasminogen Activator Enhances Microglial Cell Recruitment after Stroke in Mice. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 802-812.	2.4	31
47	Haematopoietic stem cell gene therapy with <scp>IL</scp> â€1Ra rescues cognitive loss in mucopolysaccharidosis <scp>IIIA</scp>. EMBO Molecular Medicine, 2020, 12, e11185.	3.3	31
48	The interleukin-1-related cytokine IL-1F8 is expressed in glial cells, but fails to induce IL-1? signalling responses. Cytokine, 2005, 29, 245-50.	1.4	29
49	KCC3 and KCC4 expression in rat adult forebrain. Brain Research, 2006, 1110, 39-45.	1.1	29
50	Oxygenâ€“glucose deprivation and interleukinâ€1Î± trigger the release of perlecan LG3 by cells of neurovascular unit. Journal of Neurochemistry, 2011, 119, 760-771.	2.1	29
51	Systemic conditioned medium treatment from interleukin-1 primed mesenchymal stem cells promotes recovery after stroke. Stem Cell Research and Therapy, 2020, 11, 32.	2.4	28
52	IL-1B drives opposing responses in primary tumours and bone metastases; harnessing combination therapies to improve outcome in breast cancer. Npj Breast Cancer, 2021, 7, 95.	2.3	28
53	Adhesion to fibronectin regulates interleukin-1 beta expression in microglial cells. Molecular and Cellular Neurosciences, 2009, 41, 148-155.	1.0	27
54	Characterization of a conditional interleukinâ€1 receptor 1 mouse mutant using the Cre/LoxP system. European Journal of Immunology, 2016, 46, 912-918.	1.6	25

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55	Gene regulation by IL-1Î² independent of IL-1R1 in the mouse brain. Glia, 2006, 53, 477-483.	2.5	24
56	Mechanisms of interleukin-6 synthesis and release induced by interleukin-1 and cell depolarisation in neurones. Molecular and Cellular Neurosciences, 2008, 37, 110-118.	1.0	24
57	Pentraxin 3 promotes long-term cerebral blood flow recovery, angiogenesis, and neuronal survival after stroke. Journal of Molecular Medicine, 2018, 96, 1319-1332.	1.7	24
58	Neuroinflammation and fibrosis in stroke: The good, the bad and the ugly. Journal of Neuroimmunology, 2020, 346, 577318.	1.1	24
59	Neuroimmmune interactions of cannabinoids in neurogenesis: focus on interleukin-1Î² (IL-1Î²) signalling. Biochemical Society Transactions, 2013, 41, 1577-1582.	1.6	23
60	Involvement of interleukin-1 type 1 receptors in lipopolysaccharide-induced sickness responses. Brain, Behavior, and Immunity, 2017, 66, 165-176.	2.0	23
61	Emerging roles of the acute phase protein pentraxin-3 during central nervous system disorders. Journal of Neuroimmunology, 2016, 292, 27-33.	1.1	21
62	Differential actions of IL-1 alpha and IL-1 beta in glial cells share common IL-1 signalling pathways. NeuroReport, 2005, 16, 153-157.	0.6	18
63	Generation of Human Mesenchymal Stem Cell 3D Spheroids Using Low-binding Plates. Bio-protocol, 2018, 8, .	0.2	17
64	Contribution of Interleukin-1 Receptor Accessory Protein b to Interleukin-1 Actions in Neuronal Cells. NeuroSignals, 2011, 19, 222-230.	0.5	15
65	Regenerative Potential of Hydrogels for Intracerebral Hemorrhage: Lessons from Ischemic Stroke and Traumatic Brain Injury Research. Advanced Healthcare Materials, 2021, 10, e2100455.	3.9	13
66	Generation of a Novel T Cell Specific Interleukin-1 Receptor Type 1 Conditional Knock Out Mouse Reveals Intrinsic Defects in Survival, Expansion and Cytokine Production of CD4 T Cells. PLoS ONE, 2016, 11, e0161505.	1.1	12
67	Therapeutic potential of extracellular vesicles in preclinical stroke models: a systematic review and meta-analysisTherapeutic potential of extracellular vesicles in preclinical stroke models: a systematic review and meta-analysis. BMJ Open Science, 2020, 44, e100047.	0.8	12
68	Neuronal injury induces the release of pro-interleukin-1Î² from activated microglia in vitro. Brain Research, 2008, 1236, 1-7.	1.1	11
69	Pentraxin 3 regulates neutrophil infiltration to the brain during neuroinflammation. AMRC Open Research, 2019, 1, 10.	1.7	9
70	70-kDa heat shock protein expression in cultured rat astrocytes after hypoxia: regulatory effect of almitrine. Neurochemical Research, 1995, 20, 11-15.	1.6	8
71	Cell-specific conditional deletion of interleukin-1 (IL-1) ligands and its receptors: a new toolbox to study the role of IL-1 in health and disease. Journal of Molecular Medicine, 2020, 98, 923-930.	1.7	5
72	Interleukin-1 plays a central role in behaviour abnormalities in mucopolysaccharidosis type III (MPS III). Molecular Genetics and Metabolism, 2018, 123, S24-S25.	0.5	2

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73	100 NF-Î°B Activation by Mal/Tirap is Regulated by Caspase-1. Cytokine, 2007, 39, 27-28.	1.4	1
74	Mucopolysaccharidosis type IIIA storage substrate drives an innate immune neuro-inflammatory response. Molecular Genetics and Metabolism, 2017, 120, S27-S28.	0.5	1
75	20th National Meeting of the British Neuroscience Association. Future Neurology, 2009, 4, 547-549.	0.9	0
76	Abstract P767: Understanding the Role of Microglial Il-1Î± After Stroke. Stroke, 2021, 52, .	1.0	0
77	Abstract TP101: Intra-arterial IL-1Î± is Well Tolerated and Neuroprotective After Experimental Ischemic Stroke. Stroke, 2017, 48, .	1.0	0
78	Abstract TP95: Intra-arterial Interleukin-1 alpha is Well Tolerated and Neuroprotective After Experimental Ischemic Stroke. Stroke, 2018, 49, .	1.0	0
79	Abstract TP102: Delayed Interleukin-1 alpha Treatment is Profoundly Neuroreparative in Experimental Ischemic Stroke. Stroke, 2018, 49, .	1.0	0
80	Abstract 164: IL-1a Enhances Angiogenic Neurorepair After Experimental Ischemic Stroke. Stroke, 2015, 46, .	1.0	0