

Eugene D Ponomarev

List of Publications by Year in descending order

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53
papers

4,936
citations

172443

29
h-index

175241

52
g-index

56
all docs

56
docs citations

56
times ranked

7433
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNA-124 promotes microglia quiescence and suppresses EAE by deactivating macrophages via the C/EBP-PU.1 pathway. <i>Nature Medicine</i> , 2011, 17, 64-70.	30.7	723
2	Modulation of the cannabinoid CB2 receptor in microglial cells in response to inflammatory stimuli. <i>Journal of Neurochemistry</i> , 2005, 95, 437-445.	3.9	429
3	Microglial cell activation and proliferation precedes the onset of CNS autoimmunity. <i>Journal of Neuroscience Research</i> , 2005, 81, 374-389.	2.9	363
4	CNS-Derived Interleukin-4 Is Essential for the Regulation of Autoimmune Inflammation and Induces a State of Alternative Activation in Microglial Cells. <i>Journal of Neuroscience</i> , 2007, 27, 10714-10721.	3.6	354
5	GM-CSF Production by Autoreactive T Cells Is Required for the Activation of Microglial Cells and the Onset of Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2007, 178, 39-48.	0.8	338
6	Direct suppression of CNS autoimmune inflammation via the cannabinoid receptor CB1 on neurons and CB2 on autoreactive T cells. <i>Nature Medicine</i> , 2007, 13, 492-497.	30.7	326
7	MicroRNAs are universal regulators of differentiation, activation, and polarization of microglia and macrophages in normal and diseased CNS. <i>Glia</i> , 2013, 61, 91-103.	4.9	284
8	Circulating microparticles: square the circle. <i>BMC Cell Biology</i> , 2013, 14, 23.	3.0	202
9	IL-4/IL-13-Dependent and Independent Expression of miR-124 and Its Contribution to M2 Phenotype of Monocytic Cells in Normal Conditions and during Allergic Inflammation. <i>PLoS ONE</i> , 2013, 8, e81774.	2.5	154
10	CD40 Expression by Microglial Cells Is Required for Their Completion of a Two-Step Activation Process during Central Nervous System Autoimmune Inflammation. <i>Journal of Immunology</i> , 2006, 176, 1402-1410.	0.8	146
11	Insulin receptor in the brain: Mechanisms of activation and the role in the CNS pathology and treatment. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 763-774.	3.9	118
12	T Cells Regulate the Extent and Duration of Inflammation in the Central Nervous System by a Fas Ligand-Dependent Mechanism. <i>Journal of Immunology</i> , 2005, 174, 4678-4687.	0.8	116
13	Ganglioside GD2 in reception and transduction of cell death signal in tumor cells. <i>BMC Cancer</i> , 2014, 14, 295.	2.6	87
14	Early Growth Response Gene-2 Is Essential for M1 and M2 Macrophage Activation and Plasticity by Modulation of the Transcription Factor CEBP β . <i>Frontiers in Immunology</i> , 2018, 9, 2515.	4.8	81
15	T Cell Regulation of IFN- β Production by Central Nervous System-Infiltrating Encephalitogenic T Cells: Correlation with Recovery from Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2004, 173, 1587-1595.	0.8	74
16	Development of a culture system that supports adult microglial cell proliferation and maintenance in the resting state. <i>Journal of Immunological Methods</i> , 2005, 300, 32-46.	1.4	73
17	Platelets Play Differential Role During the Initiation and Progression of Autoimmune Neuroinflammation. <i>Circulation Research</i> , 2015, 117, 779-792.	4.5	72
18	Cyclic AMP Pathway Suppress Autoimmune Neuroinflammation by Inhibiting Functions of Encephalitogenic CD4 T Cells and Enhancing M2 Macrophage Polarization at the Site of Inflammation. <i>Frontiers in Immunology</i> , 2018, 9, 50.	4.8	71

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19	Spontaneous apoptosis and expression of cell surface heat shock proteins in cultured EL4 lymphoma cells. <i>Cell Proliferation</i> , 1999, 32, 363-378.	5.3	70
20	Intra-gastrointestinal amyloid β 1-42 oligomers perturb enteric function and induce Alzheimer's disease pathology. <i>Journal of Physiology</i> , 2020, 598, 4209-4223.	2.9	68
21	Antibody Fragments as Potential Biopharmaceuticals for Cancer Therapy: Success and Limitations. <i>Current Medicinal Chemistry</i> , 2019, 26, 396-426.	2.4	67
22	Platelets Recognize Brain-Specific Glycolipid Structures, Respond to Neurovascular Damage and Promote Neuroinflammation. <i>PLoS ONE</i> , 2013, 8, e58979.	2.5	66
23	Fresh Evidence for Platelets as Neuronal and Innate Immune Cells: Their Role in the Activation, Differentiation, and Deactivation of Th1, Th17, and Tregs during Tissue Inflammation. <i>Frontiers in Immunology</i> , 2018, 9, 406.	4.8	56
24	Neuronal extracellular microRNAs miR-124 and miR-9 mediate cell-cell communication between neurons and microglia. <i>Journal of Neuroscience Research</i> , 2019, 97, 162-184.	2.9	44
25	Detection of MicroRNAs in Microglia by Real-time PCR in Normal CNS and During Neuroinflammation. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	41
26	Platelets mediate protective neuroinflammation and promote neuronal plasticity at the site of neuronal injury. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 7-27.	4.1	38
27	IL-13 induces the expression of the alternative activation marker Ym1 in a subset of testicular macrophages. <i>Journal of Reproductive Immunology</i> , 2008, 78, 140-148.	1.9	36
28	Extracellular vesicles in gastrointestinal cancer in conjunction with microbiota: On the border of Kingdoms. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1868, 372-393.	7.4	35
29	Neuroinflammation and aberrant hippocampal plasticity in a mouse model of emotional stress evoked by exposure to ultrasound of alternating frequencies. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 90, 104-116.	4.8	35
30	Thiamine and benfotiamine counteract ultrasound-induced aggression, normalize AMPA receptor expression and plasticity markers, and reduce oxidative stress in mice. <i>Neuropharmacology</i> , 2019, 156, 107543.	4.1	31
31	Translocation of cytoplasmic HSP70 onto the surface of EL-4 cells during apoptosis. <i>Cell Proliferation</i> , 2002, 35, 193-206.	5.3	29
32	Fresh evidence for major brain gangliosides as a target for the treatment of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2019, 77, 128-143.	3.1	28
33	Elucidating the functions of brain GSK3 β : Possible synergy with GSK3 β upregulation and reversal by antidepressant treatment in a mouse model of depressive-like behaviour. <i>Behavioural Brain Research</i> , 2017, 335, 122-127.	2.2	27
34	Platelets promote epileptic seizures by modulating brain serotonin level, enhancing neuronal electric activity, and contributing to neuroinflammation and oxidative stress. <i>Progress in Neurobiology</i> , 2020, 188, 101783.	5.7	27
35	Visualization and quantitation of the expression of microRNAs and their target genes in neuroblastoma single cells using imaging cytometry. <i>BMC Research Notes</i> , 2011, 4, 517.	1.4	26
36	The Role of Neuronal Factors in the Epigenetic Reprogramming of Microglia in the Normal and Diseased Central Nervous System. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 453.	3.7	23

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37	Splenic cytotoxic cells recognize surface HSP70 on culture-adapted EL-4 mouse lymphoma cells. <i>Immunology Letters</i> , 2000, 74, 133-139.	2.5	19
38	Glatiramer Acetate (Copaxone) Modulates Platelet Activation and Inhibits Thrombin-Induced Calcium Influx: Possible Role of Copaxone in Targeting Platelets during Autoimmune Neuroinflammation. <i>PLoS ONE</i> , 2014, 9, e96256.	2.5	19
39	Mitochondrial Staining Allows Robust Elimination of Apoptotic and Damaged Cells during Cell Sorting. <i>Journal of Histochemistry and Cytochemistry</i> , 2014, 62, 265-275.	2.5	18
40	Asia Pacific Stroke Conference 2017. Abstracts of the Annual Conference of the Asia Pacific Stroke Organization (APSO) Combined with Stroke Society of Australasia. Nanjing, China, October 26-28, 2017: Abstracts. <i>Cerebrovascular Diseases</i> , 2017, 44, 1-52.	1.7	18
41	Meta-Analysis and Systematic Review of Coagulation Disbalances in COVID-19: 41 Studies and 17,601 Patients. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 794092.	2.4	18
42	Early passage autologous mesenchymal stromal cells accelerate diabetic wound re-epithelialization: A clinical case study. <i>Cytotherapy</i> , 2017, 19, 1548-1550.	0.7	17
43	Ultrasound stress compromises the correlates of emotional-like states and brain AMPAR expression in mice: effects of antioxidant and anti-inflammatory herbal treatment. <i>Stress</i> , 2020, 23, 481-495.	1.8	16
44	The Role of Platelets in the Stimulation of Neuronal Synaptic Plasticity, Electric Activity, and Oxidative Phosphorylation: Possibilities for New Therapy of Neurodegenerative Diseases. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 680126.	3.7	10
45	ASD-like behaviors, a dysregulated inflammatory response and decreased expression of PLP1 characterize mice deficient for sialyltransferase ST3GAL5. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 16, 100306.	2.5	9
46	Usage of Multiparameter Flow Cytometry to Study Microglia and Macrophage Heterogeneity in the Central Nervous System During Neuroinflammation and Neurodegeneration. <i>Methods in Molecular Biology</i> , 2018, 1745, 167-177.	0.9	8
47	Soy flavonoids prevent cognitive deficits induced by intra-gastrointestinal administration of beta-amyloid. <i>Food and Chemical Toxicology</i> , 2020, 141, 111396.	3.6	6
48	Role of Platelets in Neuroinflammatory Disorders. A Review. <i>Moscow University Biological Sciences Bulletin</i> , 2018, 73, 97-103.	0.7	4
49	Sex-Specific ADHD-like Behaviour, Altered Metabolic Functions, and Altered EEG Activity in Sialyltransferase ST3GAL5-Deficient Mice. <i>Biomolecules</i> , 2021, 11, 1759.	4.0	4
50	Methods of Study of Neuron Structural Heterogeneity: Flow Cytometry vs. Laser Interferometry. <i>Methods in Molecular Biology</i> , 2018, 1745, 155-166.	0.9	3
51	Correlation of the EL-4 lymphoma cell apoptosis with the expression of heat shock proteins. <i>Doklady Biological Sciences</i> , 2000, 375, 576-579.	0.6	0
52	Platelets promote pathogenic T cell differentiation in MS and EAE. <i>Journal of Neuroimmunology</i> , 2014, 275, 174-175.	2.3	0
53	The role of interactions of platelets with brain- specific neuronal glycolipids in the modulation of neuronal functions during neurological disorders. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-1-86.	0.0	0