

Alexei Verkh ratsky

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8422634/alexei-verkhratsky-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

497
papers

34,325
citations

96
h-index

171
g-index

566
ext. papers

40,186
ext. citations

5.8
avg, IF

7.91
L-index

#	Paper	IF	Citations
497	Inclusive Brain: From Neuronal Doctrine to the Active Milieu.. <i>Function</i> , 2022 , 3, zqab069	6.1	0
496	The neuroprotective mechanism of lithium after ischaemic stroke.. <i>Communications Biology</i> , 2022 , 5, 105	6.7	1
495	Glial decline and loss of homeostatic support rather than inflammation defines cognitive aging. <i>Neural Regeneration Research</i> , 2022 , 17, 565-566	4.5	2
494	Astrocytes in Post-traumatic Stress Disorder.. <i>Neuroscience Bulletin</i> , 2022 , 1	4.3	2
493	The great astroglial metabolic revolution: Mitochondria fuel astrocyte homeostatic support and neuroprotection.. <i>Cell Calcium</i> , 2022 , 104, 102583	4	0
492	Ageing related thyroid deficiency increases brain-targeted transport of liver-derived ApoE4-laden exosomes leading to cognitive impairment.. <i>Cell Death and Disease</i> , 2022 , 13, 406	9.8	1
491	Astrocytes regulate action potential propagation in myelinated axons: It is very crowded at the node of Ranvier.. <i>Cell Calcium</i> , 2021 , 101, 102518	4	0
490	Vesicle cholesterol controls exocytotic fusion pore. <i>Cell Calcium</i> , 2021 , 101, 102503	4	3
489	Systemic Inflammation and Astrocyte Reactivity in the Neuropsychiatric Sequelae of COVID-19: Focus on Autism Spectrum Disorders.. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 748136	6.1	2
488	Astrocytes: The Housekeepers and Guardians of the CNS. <i>Advances in Neurobiology</i> , 2021 , 26, 21-53	2.1	3
487	Principles of Astroglipathology. <i>Advances in Neurobiology</i> , 2021 , 26, 55-73	2.1	1
486	Neuroglia in Psychiatric Disorders. <i>Advances in Neurobiology</i> , 2021 , 26, 3-19	2.1	2
485	Astroglial Serotonin Receptors as the Central Target of Classic Antidepressants. <i>Advances in Neurobiology</i> , 2021 , 26, 317-347	2.1	0
484	Ketamine Action on Astrocytes Provides New Insights into Rapid Antidepressant Mechanisms. <i>Advances in Neurobiology</i> , 2021 , 26, 349-365	2.1	0
483	Cover Image, Volume 69, Issue 12. <i>Glia</i> , 2021 , 69, C1	9	
482	Redressing the interactions between stem cells and immune system in tissue regeneration. <i>Biology Direct</i> , 2021 , 16, 18	7.2	4
481	Immortalised Hippocampal Astrocytes from 3xTG-AD Mice Fail to Support BBB Integrity In Vitro: Role of Extracellular Vesicles in Glial-Endothelial Communication. <i>Cellular and Molecular Neurobiology</i> , 2021 , 41, 551-562	4.6	12

480	Snapshot of microglial physiological functions. <i>Neurochemistry International</i> , 2021 , 144, 104960	4.4	4
479	Astrocytes in Alzheimer's Disease: Pathological Significance and Molecular Pathways. <i>Cells</i> , 2021 , 10,	7.9	12
478	Astrocytic atrophy as a pathological feature of Parkinson's disease with LRRK2 mutation. <i>Npj Parkinson's Disease</i> , 2021 , 7, 31	9.7	8
477	Astrocyte dystrophy in ageing brain parallels impaired synaptic plasticity. <i>Aging Cell</i> , 2021 , 20, e13334	9.9	16
476	Surveilling microglia dampens neuronal activity: operation of a purinergically mediated negative feedback mechanism. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 160	21	5
475	The anti-inflammatory astrocyte revealed: the role of the microbiome in shaping brain defences. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 150	21	
474	From purines to purinergic signalling: molecular functions and human diseases. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 162	21	41
473	Astroglia in ageing. <i>Ageing & Longevity</i> , 2021 , 1-15	0.3	
472	Astrocyte-Endotheliocyte Axis in the Regulation of the Blood-Brain Barrier. <i>Neurochemical Research</i> , 2021 , 46, 2538-2550	4.6	3
471	When day meets night: Subsiding calcium signalling translates daylight into new neurones. <i>Cell Calcium</i> , 2021 , 95, 102385	4	0
470	Connexins as therapeutic targets in neurological and neuropsychiatric disorders. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021 , 1867, 166098	6.9	4
469	Concentration-dependent duality of bFGF in regulation of barrier properties of human brain endothelial cells. <i>Journal of Cellular Physiology</i> , 2021 , 236, 7642-7654	7	2
468	Iron induces two distinct Ca signalling cascades in astrocytes. <i>Communications Biology</i> , 2021 , 4, 525	6.7	4
467	Caloric restriction modifies spatiotemporal calcium dynamics in mouse hippocampal astrocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021 , 1868, 119034	4.9	0
466	Early evolutionary history (from bacteria to hemichordata) of the omnipresent purinergic signalling: A tribute to Geoff Burnstock inquisitive mind. <i>Biochemical Pharmacology</i> , 2021 , 187, 114261	6	4
465	Astroglial asthenia and loss of function, rather than reactivity, contribute to the ageing of the brain. <i>Pflugers Archiv European Journal of Physiology</i> , 2021 , 473, 753-774	4.6	25
464	Overexpression of ESynuclein Reorganises Growth Factor Profile of Human Astrocytes. <i>Molecular Neurobiology</i> , 2021 , 58, 184-203	6.2	7
463	Iatrogenic Iron Promotes Neurodegeneration and Activates Self-Protection of Neural Cells against Exogenous Iron Attacks.. <i>Function</i> , 2021 , 2, zqab003	6.1	2

462	Astrocyte-derived extracellular vesicles mediate intercellular communications of the neurogliovascular unit. <i>Neural Regeneration Research</i> , 2021 , 16, 1421-1422	4.5	2
461	Calcium signaling in neuroglia. <i>International Review of Cell and Molecular Biology</i> , 2021 , 362, 1-53	6	5
460	Oxymatrine screened from <i>Sophora flavescens</i> by cell membrane immobilized chromatography relieves histamine-independent itch. <i>Journal of Pharmacy and Pharmacology</i> , 2021 , 73, 1617-1629	4.8	0
459	Astrocytes in heavy metal neurotoxicity and neurodegeneration. <i>Brain Research</i> , 2021 , 1752, 147234	3.7	13
458	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , 2021 , 24, 312-325	3.5	298
457	The Association Between Antidepressant Effect of SSRIs and Astrocytes: Conceptual Overview and Meta-analysis of the Literature. <i>Neurochemical Research</i> , 2021 , 46, 2731-2745	4.6	2
456	Satellite Glial Cells and Astrocytes, a Comparative Review. <i>Neurochemical Research</i> , 2021 , 46, 2525-2537	4.6	10
455	Astrocyte arborization enhances Ca but not cAMP signaling plasticity. <i>Glia</i> , 2021 , 69, 2899-2916	9	1
454	Lifestyle-dependent microglial plasticity: training the brain guardians. <i>Biology Direct</i> , 2021 , 16, 12	7.2	3
453	Ca handling at the mitochondria-ER contact sites in neurodegeneration. <i>Cell Calcium</i> , 2021 , 98, 102453	4	8
452	Plasticity of microglia. <i>Biological Reviews</i> , 2021 ,	13.5	5
451	Coming full circle: In vivo Veritas, or expanding the neuroscience frontier. <i>Cell Calcium</i> , 2021 , 98, 102452	4	4
450	Astrocytic processes: from tripartite synapses to the active milieu. <i>Trends in Neurosciences</i> , 2021 , 44, 781-792	13.3	19
449	Systemic inflammation and neuronal hyperexcitability: Deciphering cellular neuropathology of sickness behaviour. <i>Brain, Behavior, and Immunity</i> , 2021 , 97, 8-10	16.6	0
448	Mens sana in corpore sano: lifestyle changes modify astrocytes to contain Alzheimer's disease. <i>Neural Regeneration Research</i> , 2021 , 16, 1548-1549	4.5	2
447	Accelerated Dystrophy and Decay of Oligodendrocyte Precursor Cells in the APP/PS1 Model of Alzheimer's-Like Pathology. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 575082	6.1	9
446	Astrocytes in rapid ketamine antidepressant action. <i>Neuropharmacology</i> , 2020 , 173, 108158	5.5	14
445	Sleep Deprivation Selectively Down-Regulates Astrocytic 5-HT Receptors and Triggers Depressive-Like Behaviors via Stimulating P2X Receptors in Mice. <i>Neuroscience Bulletin</i> , 2020 , 36, 1259-1270	4.3	9

444	Neuroinfection may contribute to pathophysiology and clinical manifestations of COVID-19. <i>Acta Physiologica</i> , 2020 , 229, e13473	5.6	178
443	Disruption of oligodendrocyte progenitor cells is an early sign of pathology in the triple transgenic mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2020 , 94, 130-139	5.6	31
442	Large-Scale Proteomics Highlights Glial Role in Neurodegeneration. <i>Cell Metabolism</i> , 2020 , 32, 11-12	24.6	2
441	Iron Aggravates the Depressive Phenotype of Stressed Mice by Compromising the Glymphatic System. <i>Neuroscience Bulletin</i> , 2020 , 36, 1542-1546	4.3	9
440	Glial-neuronal Sensory Organs: Evolutionary Journey from <i>Caenorhabditis elegans</i> to Mammals. <i>Neuroscience Bulletin</i> , 2020 , 36, 561-564	4.3	0
439	Fluoxetine improves behavioural deficits induced by chronic alcohol treatment by alleviating RNA editing of 5-HT receptors. <i>Neurochemistry International</i> , 2020 , 134, 104689	4.4	10
438	Multipurpose Na ions mediate excitation and cellular homeostasis: Evolution of the concept of Na pumps and Na/Ca exchangers. <i>Cell Calcium</i> , 2020 , 87, 102166	4	3
437	Caloric restriction triggers morphofunctional remodeling of astrocytes and enhances synaptic plasticity in the mouse hippocampus. <i>Cell Death and Disease</i> , 2020 , 11, 208	9.8	19
436	Secretory Astrocytes. <i>Masterclass in Neuroendocrinology</i> , 2020 , 127-160	0.2	
435	Academia Europaea Position Paper on Translational Medicine: The Cycle Model for Translating Scientific Results into Community Benefits. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	9
434	Exocytosis of large-diameter lysosomes mediates interferon β -induced relocation of MHC class II molecules toward the surface of astrocytes. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 3245-3264	10.3	9
433	Analgesic and antipruritic effects of oxymatrine sustained-release microgel cream in a mouse model of inflammatory itch and pain. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 141, 105110	5.1	4
432	On the special role of NCX in astrocytes: Translating Na-transients into intracellular Ca signals. <i>Cell Calcium</i> , 2020 , 86, 102154	4	29
431	Na-dependent transporters: The backbone of astroglial homeostatic function. <i>Cell Calcium</i> , 2020 , 85, 102136	4	20
430	Physiology of Astroglial Excitability.. <i>Function</i> , 2020 , 1, zqaa016	6.1	21
429	Untangling Complexities of Glial-Neuronal Communications: Astroglial Metabolic Cascades Orchestrate Tonic Inhibition in the Thalamus. <i>Neuron</i> , 2020 , 108, 585-587	13.9	2
428	Can COVID-19 pandemic boost the epidemic of neurodegenerative diseases?. <i>Biology Direct</i> , 2020 , 15, 28	7.2	14
427	Neuropathobiology of COVID-19: The Role for Glia. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 592214	6.1	50

426	Astroglia-specific contributions to the regulation of synapses, cognition and behaviour. <i>Neuroscience and Biobehavioral Reviews</i> , 2020 , 118, 331-357	9	29
425	The role of neuroglia in autism spectrum disorders. <i>Progress in Molecular Biology and Translational Science</i> , 2020 , 173, 301-330	4	6
424	In Memoriam Geoffrey Burnstock: Creator of Purinergic Signaling. <i>Function</i> , 2020 , 1,	6.1	15
423	Psychiatric face of COVID-19. <i>Translational Psychiatry</i> , 2020 , 10, 261	8.6	93
422	NMDA Receptors in Astrocytes. <i>Neurochemical Research</i> , 2020 , 45, 122-133	4.6	12
421	Ionic signalling in astroglia beyond calcium. <i>Journal of Physiology</i> , 2020 , 598, 1655-1670	3.9	28
420	Astroglia in Sepsis Associated Encephalopathy. <i>Neurochemical Research</i> , 2020 , 45, 83-99	4.6	30
419	The Safeguarding Microglia: Central Role for P2Y Receptors. <i>Frontiers in Pharmacology</i> , 2020 , 11, 627760	5.6	4
418	Microglia: The Neural Cells of Nonneural Origin. <i>Methods in Molecular Biology</i> , 2019 , 2034, 3-11	1.4	6
417	Astroglial atrophy in Alzheimer's disease. <i>Pflugers Archiv European Journal of Physiology</i> , 2019 , 471, 1247-1261	4.7	47
416	Calcium Microdomain Formation at the Perisynaptic Cradle Due to NCX Reversal: A Computational Study. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 185	6.1	9
415	Ammonium induced dysfunction of 5-HT receptor in astrocytes. <i>Neurochemistry International</i> , 2019 , 129, 104479	4.4	6
414	Astroglial Calcium Signaling in Aging and Alzheimer's Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019 , 11,	10.2	27
413	Pathological ATPergic Signaling in Major Depression and Bipolar Disorder. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 331	6.1	26
412	Anti-Atherosclerosis Effect of Angong Niu Huang Pill Regulating Th17/Treg Immune Balance and Inhibiting Chronic Inflammatory on ApoE Mice Model of Early and Mid-Term Atherosclerosis. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1584	5.6	12
411	Astroglipathology in the infectious insults of the brain. <i>Neuroscience Letters</i> , 2019 , 689, 56-62	3.3	23
410	Physiology of Microglia. <i>Methods in Molecular Biology</i> , 2019 , 2034, 27-40	1.4	34
409	Astroglial Ca signals trigger pathological behaviour in optogenetic mouse. <i>Cell Calcium</i> , 2019 , 82, 102062	6.2	4

408	Sleep Disturbance in Bipolar Disorder: Neuroglia and Circadian Rhythms. <i>Frontiers in Psychiatry</i> , 2019 , 10, 501	5	25
407	Astrocyte Specific Remodeling of Plasmalemmal Cholesterol Composition by Ketamine Indicates a New Mechanism of Antidepressant Action. <i>Scientific Reports</i> , 2019 , 9, 10957	4.9	18
406	Gene expression changes in dorsal root ganglia following peripheral nerve injury: roles in inflammation, cell death and nociception. <i>Neural Regeneration Research</i> , 2019 , 14, 939-947	4.5	22
405	Das Milieu des ZNS: Gliazellen. <i>Springer-Lehrbuch</i> , 2019 , 83-92	0.4	
404	The Concept of Neuroglia. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 1-13	3.6	20
403	Astroglia in Alzheimer's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 273-324	3.6	25
402	Evolution of Neuroglia. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 15-44	3.6	16
401	Physiology of Astroglia. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 45-91	3.6	29
400	Gliocrine System: Astroglia as Secretory Cells of the CNS. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 93-115	3.6	12
399	General Pathophysiology of Astroglia. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 149-179	3.6	24
398	Neuroglia in Ageing. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1175, 181-197	3.6	8
397	Persistent Na influx drives L-type channel resting Ca entry in rat melanotrophs. <i>Cell Calcium</i> , 2019 , 79, 11-19	4	4
396	Role of astrocytes, microglia, and tanycytes in brain control of systemic metabolism. <i>Nature Neuroscience</i> , 2019 , 22, 7-14	25.5	108
395	Spontaneous BOLD waves - A novel hemodynamic activity in Sprague-Dawley rat brain detected by functional magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 1949-1960	7.3	3
394	Refined protocols of tamoxifen injection for inducible DNA recombination in mouse astroglia. <i>Scientific Reports</i> , 2018 , 8, 5913	4.9	44
393	Preventing neurodegeneration by adrenergic astroglial excitation. <i>FEBS Journal</i> , 2018 , 285, 3645-3656	5.7	16
392	The remembrance of the things past: Conserved signalling pathways link protozoa to mammalian nervous system. <i>Cell Calcium</i> , 2018 , 73, 25-39	4	15
391	Astroglial 5-HT receptor in mood disorders. <i>Expert Review of Neurotherapeutics</i> , 2018 , 18, 435-442	4.3	13

390	Enteric glia regulate gut motility in health and disease. <i>Brain Research Bulletin</i> , 2018 , 136, 109-117	3.9	33
389	Astroglial vesicular network: evolutionary trends, physiology and pathophysiology. <i>Acta Physiologica</i> , 2018 , 222, e12915	5.6	21
388	Physiology of Astroglia. <i>Physiological Reviews</i> , 2018 , 98, 239-389	47.9	573
387	Regulation of Glycogen Content in Astrocytes via Cav-1/PTEN/AKT/GSK-3 β Pathway by Three Anti-bipolar Drugs. <i>Neurochemical Research</i> , 2018 , 43, 1692-1701	4.6	9
386	The Special Case of Human Astrocytes. <i>Neuroglia (Basel, Switzerland)</i> , 2018 , 1, 21-29		21
385	l-Dopa and Fluoxetine Upregulate Astroglial 5-HT _{2B} Receptors and Ameliorate Depression in Parkinson's Disease Mice. <i>Neuroglia (Basel, Switzerland)</i> , 2018 , 1, 48-62		4
384	The History of the Decline and Fall of the Glial Numbers Legend. <i>Neuroglia (Basel, Switzerland)</i> , 2018 , 1, 188-192		9
383	Pathological human astroglia in Alzheimer's disease: opening new horizons with stem cell technology. <i>Future Neurology</i> , 2018 , 13, 87-99	1.5	5
382	Leptin Increases Expression of 5-HT Receptors in Astrocytes Thus Enhancing Action of Fluoxetine on the Depressive Behavior Induced by Sleep Deprivation. <i>Frontiers in Psychiatry</i> , 2018 , 9, 734	5	25
381	Crosslink between calcium and sodium signalling. <i>Experimental Physiology</i> , 2018 , 103, 157-169	2.4	50
380	Neuroglia: Realising their true potential. <i>Brain and Neuroscience Advances</i> , 2018 , 2, 2398212818817495	4	9
379	Neuroglia in the autistic brain: evidence from a preclinical model. <i>Molecular Autism</i> , 2018 , 9, 66	6.5	43
378	Potassium and sodium microdomains in thin astroglial processes: A computational model study. <i>PLoS Computational Biology</i> , 2018 , 14, e1006151	5	32
377	An Early History of Neuroglial Research: Personalities. <i>Neuroglia (Basel, Switzerland)</i> , 2018 , 1, 245-281		12
376	Vasopressin and oxytocin in sensory neurones: expression, exocytotic release and regulation by lactation. <i>Scientific Reports</i> , 2018 , 8, 13084	4.9	10
375	Loss of calretinin and parvalbumin positive interneurons in the hippocampal CA1 of aged Alzheimer's disease mice. <i>Neuroscience Letters</i> , 2018 , 681, 19-25	3.3	25
374	Interstitial ion homeostasis and acid-base balance are maintained in oedematous brain of mice with acute toxic liver failure. <i>Neurochemistry International</i> , 2018 , 118, 286-291	4.4	2
373	Glutamate and ATP at the Interface Between Signaling and Metabolism in Astroglia: Examples from Pathology. <i>Neurochemical Research</i> , 2017 , 42, 19-34	4.6	24

372	Astrocytic face of Alzheimer's disease. <i>Behavioural Brain Research</i> , 2017 , 322, 250-257	3.4	18
371	Bi-phasic regulation of glycogen content in astrocytes via Cav-1/PTEN/PI3K/AKT/GSK-3 β pathway by fluoxetine. <i>Psychopharmacology</i> , 2017 , 234, 1069-1077	4.7	16
370	Aberrant iPSC-derived human astrocytes in Alzheimer's disease. <i>Cell Death and Disease</i> , 2017 , 8, e2696	9.8	95
369	Signaling Pathway of α -Adrenergic Receptor in Astrocytes and its Relevance to Brain Edema 2017 , 257-271		
368	Astrocytes ? 2017 ,		
367	Stratification of astrocytes in healthy and diseased brain. <i>Brain Pathology</i> , 2017 , 27, 629-644	6	117
366	Building Bridges through Science. <i>Neuron</i> , 2017 , 96, 730-735	13.9	2
365	Neuroglia: Functional Paralysis and Reactivity in Alzheimer's Disease and Other Neurodegenerative Pathologies. <i>Advances in Neurobiology</i> , 2017 , 15, 427-449	2.1	15
364	Astroglial calcium signalling in Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 483, 1005-1012	3.4	28
363	Ammonium Increases TRPC1 Expression Via Cav-1/PTEN/AKT/GSK3 β Pathway. <i>Neurochemical Research</i> , 2017 , 42, 762-776	4.6	14
362	Astroglial Vesicular Trafficking in Neurodegenerative Diseases. <i>Neurochemical Research</i> , 2017 , 42, 905-917	4.7	10
361	Locus Coeruleus Noradrenergic Neurons and Astroglia in Health and Disease 2017 , 1-24		1
360	Astrocytic Pathological Calcium Homeostasis and Impaired Vesicle Trafficking in Neurodegeneration. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	16
359	Biphasic Regulation of Caveolin-1 Gene Expression by Fluoxetine in Astrocytes: Opposite Effects of PI3K/AKT and MAPK/ERK Signaling Pathways on c-fos. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 335	6.1	19
358	Increased Calcium-Sensing Receptor Immunoreactivity in the Hippocampus of a Triple Transgenic Mouse Model of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2017 , 11, 81	5.1	11
357	The ameliorative effect of fluoxetine on neuroinflammation induced by sleep deprivation. <i>Journal of Neurochemistry</i> , 2017 , 146, 63	6	26
356	Up-Regulation of Oligodendrocyte Lineage Markers in the Cerebellum of Autistic Patients: Evidence from Network Analysis of Gene Expression. <i>Molecular Neurobiology</i> , 2016 , 53, 4019-4025	6.2	17
355	Astroglipathology in neurological, neurodevelopmental and psychiatric disorders. <i>Neurobiology of Disease</i> , 2016 , 85, 254-261	7.5	101

354	Astrocytic vesicles and gliotransmitters: Slowness of vesicular release and synaptobrevin2-laden vesicle nanoarchitecture. <i>Neuroscience</i> , 2016 , 323, 67-75	3.9	41
353	Astroglia, Glutamatergic Transmission and Psychiatric Diseases. <i>Advances in Neurobiology</i> , 2016 , 13, 307-326		14
352	ATP from synaptic terminals and astrocytes regulates NMDA receptors and synaptic plasticity through PSD-95 multi-protein complex. <i>Scientific Reports</i> , 2016 , 6, 33609	4.9	43
351	Glial Cells: Neuroglia 2016 , 547-578		
350	Astrocytes in physiological aging and Alzheimer's disease. <i>Neuroscience</i> , 2016 , 323, 170-82	3.9	238
349	Astrocytes: a central element in neurological diseases. <i>Acta Neuropathologica</i> , 2016 , 131, 323-45	14.3	436
348	Targeting astrocytes in bipolar disorder. <i>Expert Review of Neurotherapeutics</i> , 2016 , 16, 649-57	4.3	33
347	Physiology of Ca(2+) signalling in stem cells of different origins and differentiation stages. <i>Cell Calcium</i> , 2016 , 59, 57-66	4	26
346	Purinergic neurone-glia signalling in cognitive-related pathologies. <i>Neuropharmacology</i> , 2016 , 104, 62-75.5		23
345	Translational potential of astrocytes in brain disorders. <i>Progress in Neurobiology</i> , 2016 , 144, 188-205	10.9	72
344	Astroglia dynamics in ageing and Alzheimer's disease. <i>Current Opinion in Pharmacology</i> , 2016 , 26, 74-9	5.1	84
343	Chronic Treatment with Anti-bipolar Drugs Down-Regulates Gene Expression of TRPC1 in Neurones. <i>Frontiers in Cellular Neuroscience</i> , 2016 , 10, 305	6.1	3
342	PATHOBIOLOGY OF NEURODEGENERATION: THE ROLE FOR ASTROGLIA 2016 , 1, 13-22		12
341	Calcium signalling toolkits in astrocytes and spatio-temporal progression of Alzheimer's disease. <i>Current Alzheimer Research</i> , 2016 , 13, 359-69	3	27
340	Complex and differential glial responses in Alzheimer's disease and ageing. <i>Current Alzheimer Research</i> , 2016 , 13, 343-58	3	49
339	Acetylcholine-Induced Inhibition of Presynaptic Calcium Signals and Transmitter Release in the Frog Neuromuscular Junction. <i>Frontiers in Physiology</i> , 2016 , 7, 621	4.6	12
338	Principles of sodium homeostasis and sodium signalling in astroglia. <i>Glia</i> , 2016 , 64, 1611-27	9	82
337	The homeostatic astroglia emerges from evolutionary specialization of neural cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	67

336	Expression of familial Alzheimer disease presenilin 1 gene attenuates vesicle traffic and reduces peptide secretion in cultured astrocytes devoid of pathologic tissue environment. <i>Glia</i> , 2016 , 64, 317-29	9	38
335	Calcium and ATP control multiple vital functions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	29
334	Inseparable tandem: evolution chooses ATP and Ca ²⁺ to control life, death and cellular signalling. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	38
333	Specific profiles of ion channels and ionotropic receptors define adipose- and bone marrow derived stromal cells. <i>Stem Cell Research</i> , 2016 , 16, 622-34	1.6	13
332	Sodium-calcium exchanger and R-type Ca(2+) channels mediate spontaneous [Ca(2+)] _i oscillations in magnocellular neurones of the rat supraoptic nucleus. <i>Cell Calcium</i> , 2016 , 59, 289-98	4	4
331	Physiology of spontaneous [Ca(2+)] _i oscillations in the isolated vasopressin and oxytocin neurones of the rat supraoptic nucleus. <i>Cell Calcium</i> , 2016 , 59, 280-8	4	8
330	Astrocytes as secretory cells of the central nervous system: idiosyncrasies of vesicular secretion. <i>EMBO Journal</i> , 2016 , 35, 239-57	13	230
329	Molecular mechanism for opioid dichotomy: bidirectional effect of μ opioid receptors on P2X ₁ receptor currents in rat sensory neurones. <i>Purinergic Signalling</i> , 2015 , 11, 171-81	3.8	8
328	Chronic treatment with anti-bipolar drugs suppresses glutamate release from astroglial cultures. <i>Amino Acids</i> , 2015 , 47, 1045-51	3.5	15
327	Fluoxetine induces alkalinization of astroglial cytosol through stimulation of sodium-hydrogen exchanger 1: dissection of intracellular signaling pathways. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 61	6.1	11
326	Astrocytes, Oligodendrocytes, and NG2 Glia: Structure and Function 2015 , 101-107		2
325	Microglia: Structure and Function 2015 , 109-113		1
324	Neuroinflammation in Alzheimer's disease. <i>Lancet Neurology</i> , 2015 , 14, 388-405	24.1	2760
323	Rho GTPase RAC1 at the Molecular Interface Between Genetic and Environmental Factors of Autism Spectrum Disorders. <i>NeuroMolecular Medicine</i> , 2015 , 17, 333-4	4.6	6
322	Physiology of Astroglia: Channels, Receptors, Transporters, Ion Signaling and Gliotransmission 2015 , 2, 1-172		4
321	Ammonium increases Ca(2+) signalling and upregulates expression of Cav1.2 gene in astrocytes in primary cultures and in the in vivo brain. <i>Acta Physiologica</i> , 2015 , 214, 261-74	5.6	28
320	Targeting astrocytes in major depression. <i>Expert Review of Neurotherapeutics</i> , 2015 , 15, 1299-306	4.3	42
319	P2X7R activation drives distinct IL-1 responses in dendritic cells compared to macrophages. <i>Cytokine</i> , 2015 , 74, 293-304	4	25

318	Astroglial NMDA receptors inhibit expression of Kir4.1 channels in glutamate-overexposed astrocytes in vitro and in the brain of rats with acute liver failure. <i>Neurochemistry International</i> , 2015 , 88, 20-5	4.4	22
317	Why are astrocytes important?. <i>Neurochemical Research</i> , 2015 , 40, 389-401	4.6	125
316	Glial Asthenia and Functional Paralysis: A New Perspective on Neurodegeneration and Alzheimer's Disease. <i>Neuroscientist</i> , 2015 , 21, 552-568	7.6	64
315	Microglial response to Alzheimer's disease is differentially modulated by voluntary wheel running and enriched environments. <i>Brain Structure and Function</i> , 2015 , 220, 941-53	4	29
314	Pathologic potential of astrocytic vesicle traffic: new targets to treat neurologic diseases?. <i>Cell Transplantation</i> , 2015 , 24, 599-612	4	28
313	Decrease of gene expression of astrocytic 5-HT _{2B} receptors parallels development of depressive phenotype in a mouse model of Parkinson's disease. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 388	6.1	21
312	Memory Formation Shaped by Astroglia. <i>Frontiers in Integrative Neuroscience</i> , 2015 , 9, 56	3.2	54
311	Neural Stem Cell Transplant-Induced Effect on Neurogenesis and Cognition in Alzheimer Tg2576 Mice Is Inhibited by Concomitant Treatment with Amyloid-Lowering or Cholinergic α Nicotinic Receptor Drugs. <i>Neural Plasticity</i> , 2015 , 2015, 370432	3.3	38
310	Cell type-specific in vivo expression of genes encoding signalling molecules in the brain in response to chronic mild stress and chronic treatment with fluoxetine. <i>Psychopharmacology</i> , 2015 , 232, 2827-35	4.7	21
309	The ancient roots of calcium signalling evolutionary tree. <i>Cell Calcium</i> , 2015 , 57, 123-32	4	55
308	Crosstalk Between MAPK/ERK and PI3K/AKT Signal Pathways During Brain Ischemia/Reperfusion. <i>ASN Neuro</i> , 2015 , 7,	5.3	102
307	Apoptosis-associated speck-like protein containing a CARD forms specks but does not activate caspase-1 in the absence of NLRP3 during macrophage swelling. <i>Journal of Immunology</i> , 2015 , 194, 1261-573	5.3	58
306	Full-length transient receptor potential vanilloid 1 channels mediate calcium signals and possibly contribute to osmoreception in vasopressin neurones in the rat supraoptic nucleus. <i>Cell Calcium</i> , 2015 , 57, 25-37	4	19
305	Neuroglia in ageing and disease. <i>Cell and Tissue Research</i> , 2014 , 357, 493-503	4.2	45
304	Altered expression of Alzheimer's disease-related genes in the cerebellum of autistic patients: a model for disrupted brain connectome and therapy. <i>Cell Death and Disease</i> , 2014 , 5, e1250	9.8	39
303	Astroglipathology: a central element of neuropsychiatric diseases?. <i>Neuroscientist</i> , 2014 , 20, 576-88	7.6	102
302	The glial perspective of autism spectrum disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 38, 160-72	9	80
301	Ammonium increases Ca(2+) signalling and up-regulates expression of TRPC1 gene in astrocytes in primary cultures and in the in vivo brain. <i>Neurochemical Research</i> , 2014 , 39, 2127-35	4.6	22

300	Retinal macroglia changes in a triple transgenic mouse model of Alzheimer's disease. <i>Experimental Eye Research</i> , 2014 , 127, 252-60	3.7	40
299	Calcium signalling in sensory neurones and peripheral glia in the context of diabetic neuropathies. <i>Cell Calcium</i> , 2014 , 56, 362-71	4	21
298	Astroglial cradle in the life of the synapse. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130595	5.8	155
297	Glia in the pathogenesis of neurodegenerative diseases. <i>Biochemical Society Transactions</i> , 2014 , 42, 1291-301	5.301	113
296	Probing astroglia with carbon nanotubes: modulation of form and function. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130598	5.8	8
295	Biology of purinergic signalling: its ancient evolutionary roots, its omnipresence and its multiple functional significance. <i>BioEssays</i> , 2014 , 36, 697-705	4.1	91
294	Calcium signalling in diabetes. <i>Cell Calcium</i> , 2014 , 56, 297-301	4	29
293	Purinergic signaling mediated by P2X7 receptors controls myelination in sciatic nerves. <i>Journal of Neuroscience Research</i> , 2014 , 92, 1259-69	4.4	20
292	Glial calcium signalling in Alzheimer's disease. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2014 , 167, 45-65	2.9	44
291	Store-operated calcium entry in neuroglia. <i>Neuroscience Bulletin</i> , 2014 , 30, 125-33	4.3	53
290	TRP channels coordinate ion signalling in astroglia. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2014 , 166, 1-22	2.9	44
289	Astrocytes 2014 , 290-295		2
288	Caenorhabditis elegans glia modulate neuronal activity and behavior. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 67	6.1	22
287	EDITORIAL Neuroglia as a Central Element of Neurological Diseases: An Underappreciated Target for Therapeutic Intervention. <i>Current Neuropharmacology</i> , 2014 , 12, 303-7	7.6	20
286	Direct gating of ATP-activated ion channels (P2X2 receptors) by lipophilic attachment at the outer end of the second transmembrane domain. <i>Journal of Biological Chemistry</i> , 2014 , 289, 618-26	5.4	14
285	Introduction to Neuroglia 2014 , 1, 1-74		
284	Unidirectional photoreceptor-to-Müller glia coupling and unique K ⁺ channel expression in Caiman retina. <i>PLoS ONE</i> , 2014 , 9, e97155	3.7	16
283	General Physiology and Pathophysiology of Microglia 2014 , 47-60		1

282	Neurodegeneration and Neuroglia: Emphasis on Astroglia in Alzheimer's Disease 2014 , 265-291		
281	Purinergic and glutamatergic receptors on astroglia. <i>Advances in Neurobiology</i> , 2014 , 11, 55-79	2.1	13
280	Differential deregulation of astrocytic calcium signalling by amyloid- β , TNF α , IL-1 α and LPS. <i>Cell Calcium</i> , 2014 , 55, 219-29	4	54
279	Complex and region-specific changes in astroglial markers in the aging brain. <i>Neurobiology of Aging</i> , 2014 , 35, 15-23	5.6	114
278	Kv7 potassium channel subunits and M currents in cultured hippocampal interneurons. <i>Pflugers Archiv European Journal of Physiology</i> , 2014 , 466, 1747-58	4.6	8
277	Calcium signalling and calcium channels: evolution and general principles. <i>European Journal of Pharmacology</i> , 2014 , 739, 1-3	5.3	43
276	Neurological and psychiatric disorders as a neuroglial failure. <i>Periodicum Biologorum</i> , 2014 , 116, 115-124		11
275	Pathological role for exocytotic glutamate release from astrocytes in hepatic encephalopathy. <i>Current Neuropharmacology</i> , 2014 , 12, 324-33	7.6	31
274	History of electrophysiology and the patch clamp. <i>Methods in Molecular Biology</i> , 2014 , 1183, 1-19	1.4	22
273	Glutamate and ATP: The Crossroads of Signaling and Metabolism in the Brain. <i>Advances in Neurobiology</i> , 2014 , 11, 1-12	2.1	8
272	General Pathophysiology of Neuroglia: Neurological and Psychiatric Disorders as Gliopathies 2014 , 1-12		
271	Ionic Signaling in Physiology and Pathophysiology of Astroglia 2014 , 13-31		
270	Astroglial amino acid-based transmitter receptors. <i>Amino Acids</i> , 2013 , 44, 1151-8	3.5	25
269	Glutamine synthetase in astrocytes from entorhinal cortex of the triple transgenic animal model of Alzheimer's disease is not affected by pathological progression. <i>Biogerontology</i> , 2013 , 14, 777-87	4.5	15
268	Astroglipathology: could nanotechnology restore aberrant calcium signalling and pathological astroglial remodelling?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 1625-31	4.9	4
267	Cognitive recovery and restoration of cell proliferation in the dentate gyrus in the 5XFAD transgenic mice model of Alzheimer's disease following 2-hydroxy-DHA treatment. <i>Biogerontology</i> , 2013 , 14, 763-75	4.5	39
266	Calcium influx through reversed NCX controls migration of microglia. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 961, 289-94	3.6	18
265	Sodium fluxes and astroglial function. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 961, 295-305	3.6	25

264	Ca(2+) -dependent endoplasmic reticulum stress correlates with astrogliosis in oligomeric amyloid β -treated astrocytes and in a model of Alzheimer's disease. <i>Aging Cell</i> , 2013 , 12, 292-302	9.9	119
263	Plasticity of calcium signaling cascades in human embryonic stem cell-derived neural precursors. <i>Stem Cells and Development</i> , 2013 , 22, 1506-21	4.4	24
262	Increased densities of resting and activated microglia in the dentate gyrus follow senile plaque formation in the CA1 subfield of the hippocampus in the triple transgenic model of Alzheimer's disease. <i>Neuroscience Letters</i> , 2013 , 552, 129-34	3.3	24
261	Microglia: new roles for the synaptic stripper. <i>Neuron</i> , 2013 , 77, 10-8	13.9	763
260	History of Neuroscience and the Dawn of Research in Neuroglia 2013 , 1-58		
259	Neuroglia: Definition, Classification, Evolution, Numbers, Development 2013 , 73-104		8
258	Astroglia 2013 , 105-244		3
257	Oligodendrocytes 2013 , 245-319		3
256	Microglia 2013 , 343-380		
255	TRPC1-mediated Ca ²⁺ and Na ⁺ signalling in astroglia: differential filtering of extracellular cations. <i>Cell Calcium</i> , 2013 , 54, 120-5	4	44
254	Astroglia in neurological diseases. <i>Future Neurology</i> , 2013 , 8, 149-158	1.5	96
253	Astroglial Calcium Signaling and Calcium Waves 2013 , 51-68		1
252	Amyloid- β and Alzheimer's disease type pathology differentially affects the calcium signalling toolkit in astrocytes from different brain regions. <i>Cell Death and Disease</i> , 2013 , 4, e623	9.8	68
251	Astrocytes and glutamate homeostasis in Alzheimer's disease: a decrease in glutamine synthetase, but not in glutamate transporter-1, in the prefrontal cortex. <i>ASN Neuro</i> , 2013 , 5, 273-82	5.3	76
250	Ca ²⁺ signalling early in evolution--all but primitive. <i>Journal of Cell Science</i> , 2013 , 126, 2141-50	5.3	39
249	Astrocyte glutamine synthetase: pivotal in health and disease. <i>Biochemical Society Transactions</i> , 2013 , 41, 1518-24	5.1	141
248	The birth of the journal: the first anniversary of WIREs MTS. <i>Environmental Sciences Europe</i> , 2013 , 2, 105-105		
247	Enriched environment and physical activity reverse astroglial degeneration in the hippocampus of AD transgenic mice. <i>Cell Death and Disease</i> , 2013 , 4, e678	9.8	58

246	Differentiation of adipose-derived stem cells into Schwann cell phenotype induces expression of P2X receptors that control cell death. <i>Cell Death and Disease</i> , 2013 , 4, e743	9.8	46
245	General Pathophysiology of Neuroglia 2013 , 431-451		2
244	2013 ,		110
243	Calcium signalling in astroglia. <i>Molecular and Cellular Endocrinology</i> , 2012 , 353, 45-56	4.4	176
242	Pannexin 1 forms an anion-selective channel. <i>Pflugers Archiv European Journal of Physiology</i> , 2012 , 463, 585-92	4.6	78
241	Hypermetabolism in a triple-transgenic mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012 , 33, 187-93	5.6	34
240	Sodium dynamics: another key to astroglial excitability?. <i>Trends in Neurosciences</i> , 2012 , 35, 497-506	13.3	170
239	Astrocytic cytoskeletal atrophy in the medial prefrontal cortex of a triple transgenic mouse model of Alzheimer's disease. <i>Journal of Anatomy</i> , 2012 , 221, 252-62	2.9	105
238	High tryptophan diet reduces CA1 intraneuronal β -amyloid in the triple transgenic mouse model of Alzheimer's disease. <i>Aging Cell</i> , 2012 , 11, 810-22	9.9	35
237	The astrocyte excitability brief: from receptors to gliotransmission. <i>Neurochemistry International</i> , 2012 , 61, 610-21	4.4	45
236	Homeostatic function of astrocytes: Ca(2+) and Na(+) signalling. <i>Translational Neuroscience</i> , 2012 , 3, 334-344	8.5	85
235	Purinergic Signalling in the Central Nervous System 2012 , 433-581		3
234	Vasopressin-induced intracellular Ca ²⁺ concentration responses in non-neuronal cells of the rat dorsal root ganglion. <i>Brain Research</i> , 2012 , 1483, 1-12	3.7	4
233	The serotonergic system in ageing and Alzheimer's disease. <i>Progress in Neurobiology</i> , 2012 , 99, 15-41	10.9	166
232	Receptors for Purines and Pyrimidines 2012 , 119-244		12
231	Early History of Purinergic Signalling 2012 , 7-66		2
230	Purinergic Cotransmission 2012 , 67-77		
229	Mechanisms of ATP Release and Inactivation 2012 , 79-118		9

228 Sensory Nerves **2012**, 583-625

227 P2X receptors in neuroglia. *Environmental Sciences Europe*, **2012**, 1, 151 5 17

226 Evolution of P2X receptors. *Environmental Sciences Europe*, **2012**, 1, 188-200 5 5

225 Purinergic signaling. *Environmental Sciences Europe*, **2012**, 1, 116-125 5 8

224 P2X receptor-mediated synaptic transmission. *Environmental Sciences Europe*, **2012**, 1, 297-309 5 4

223 Supporting the cell, supporting the science: an editorial essay. *Environmental Sciences Europe*, **2012**, 1, 1-2 5

222 Omnipresent purinergic signaling: an editorial essay. *Environmental Sciences Europe*, **2012**, 1, 113-115 5

221 Pathophysiology of astroglial purinergic signalling. *Purinergic Signalling*, **2012**, 8, 629-57 3.8 147

220 Neurotransmitters and integration in neuronal-astroglial networks. *Neurochemical Research*, **2012**, 37, 2326-38 4.6 27

219 Artifact versus reality--how astrocytes contribute to synaptic events. *Glia*, **2012**, 60, 1013-23 9 223

218 Glial cells in (patho)physiology. *Journal of Neurochemistry*, **2012**, 121, 4-27 6 392

217 Segregation of calcium signalling mechanisms in magnocellular neurones and terminals. *Cell Calcium*, **2012**, 51, 293-9 4 29

216 Sensory neurons derived from diabetic rats have diminished internal Ca²⁺ stores linked to impaired re-uptake by the endoplasmic reticulum. *ASN Neuro*, **2012**, 4, 5.3 22

215 Astrocytes revisited: concise historic outlook on glutamate homeostasis and signaling. *Croatian Medical Journal*, **2012**, 53, 518-28 1.6 44

214 Neurological diseases as primary gliopathies: a reassessment of neurocentrism. *ASN Neuro*, **2012**, 4, 5.3 190

213 Astroglial excitability and gliotransmission: an appraisal of Ca²⁺ as a signalling route. *ASN Neuro*, **2012**, 4, 5.3 207

212 A genetically encoded IL-1 β bioluminescence resonance energy transfer sensor to monitor inflammasome activity. *Journal of Immunology*, **2012**, 189, 2131-7 5.3 20

211 P2X receptors and their roles in astroglia in the central and peripheral nervous system. *Neuroscientist*, **2012**, 18, 422-38 7.6 81

210 Peripheral Nervous System **2012**, 307-432

209 Neuroglia at the crossroads of homeostasis, metabolism and signalling: evolution of the concept. *ASN Neuro*, **2012**, 4, 201-5 5.3 39

208 Plasmalemmal Na⁺/Ca²⁺ exchanger modulates Ca²⁺-dependent exocytotic release of glutamate from rat cortical astrocytes. *ASN Neuro*, **2012**, 4, 5.3 78

207 Purinergic Signalling and the Nervous System **2012**, 43

206 Evolution of Purinergic Signalling **2012**, 245-305

205 Physiology of microglia. *Physiological Reviews*, **2011**, 91, 461-553 47.9 2342

204 Ionotropic ATP receptors in neuronal-glia communication. *Seminars in Cell and Developmental Biology*, **2011**, 22, 220-8 7.5 42

203 Voluntary running and environmental enrichment restores impaired hippocampal neurogenesis in a triple transgenic mouse model of Alzheimer's disease. *Current Alzheimer Research*, **2011**, 8, 707-17 3 67

202 Age-dependent remodelling of ionotropic signalling in cortical astroglia. *Aging Cell*, **2011**, 10, 392-402 9.9 68

201 Neurogenesis in Alzheimer's disease. *Journal of Anatomy*, **2011**, 219, 78-89 2.9 94

200 Ionotropic receptors in neuronal-astroglial signalling: what is the role of "excitable" molecules in non-excitable cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2011**, 1813, 992-1002 4.9 89

199 Ca²⁺ sources for the exocytotic release of glutamate from astrocytes. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2011**, 1813, 984-91 4.9 117

198 Mitochondria adjust Ca²⁺ signaling regime to a pattern of stimulation in salivary acinar cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2011**, 1813, 1740-8 4.9 12

197 Where the thoughts dwell: the physiology of neuronal-glia "diffuse neural net". *Brain Research Reviews*, **2011**, 66, 133-51 64

196 Neuroglial roots of neurodegenerative diseases?. *Molecular Neurobiology*, **2011**, 43, 87-96 6.2 63

195 Age-dependent decrease in glutamine synthetase expression in the hippocampal astroglia of the triple transgenic Alzheimer's disease mouse model: mechanism for deficient glutamatergic transmission?. *Molecular Neurodegeneration*, **2011**, 6, 55 19 128

194 Increased hippocampal CA1 density of serotonergic terminals in a triple transgenic mouse model of Alzheimer's disease: an ultrastructural study. *Cell Death and Disease*, **2011**, 2, e210 9.8 24

193 Adenosine and ATP receptors in the brain. *Current Topics in Medicinal Chemistry*, **2011**, 11, 973-1011 3 146

192	Early astrocytic atrophy in the entorhinal cortex of a triple transgenic animal model of Alzheimer's disease. <i>ASN Neuro</i> , 2011 , 3, 271-9	5.3	130
191	Extracellular cAMP inhibits P2X receptors in rat sensory neurones through G protein-mediated mechanism. <i>Acta Physiologica</i> , 2010 , 199, 199-204	5.6	3
190	The birth and postnatal development of purinergic signalling. <i>Acta Physiologica</i> , 2010 , 199, 93-147	5.6	89
189	Serotonin fibre sprouting and increase in serotonin transporter immunoreactivity in the CA1 area of hippocampus in a triple transgenic mouse model of Alzheimer's disease. <i>European Journal of Neuroscience</i> , 2010 , 32, 71-9	3.5	31
188	Publisher's Note: Novel Mechanism for Temperature-Independent Transitions in Flexible Molecules: Role of Thermodynamic Fluctuations [Phys. Rev. Lett. 104, 178105 (2010)]. <i>Physical Review Letters</i> , 2010 , 104,	7.4	2
187	The Achilles heel of β secretase: can we contain Alzheimer's disease by reducing synthesis of β amyloid?. <i>Acta Pharmacologica Sinica</i> , 2010 , 31, 1407-8	8	
186	Long-term (trophic) purinergic signalling: purinoceptors control cell proliferation, differentiation and death. <i>Cell Death and Disease</i> , 2010 , 1, e9	9.8	155
185	Increase in the density of resting microglia precedes neuritic plaque formation and microglial activation in a transgenic model of Alzheimer's disease. <i>Cell Death and Disease</i> , 2010 , 1, e1	9.8	68
184	Measurement of free Ca ²⁺ concentration in the lumen of neuronal endoplasmic reticulum. <i>Cold Spring Harbor Protocols</i> , 2010 , 2010, pdb.prot4783	1.2	1
183	Principles of the Ca ²⁺ Homeostatic/Signalling System. <i>NeuroMethods</i> , 2010 , 1-11	0.4	2
182	Ca ²⁺ Imaging of Intracellular Organelles: Endoplasmic Reticulum. <i>NeuroMethods</i> , 2010 , 147-167	0.4	2
181	In Vivo Ca ²⁺ Imaging of the Living Brain Using Multi-cell Bolus Loading Technique. <i>NeuroMethods</i> , 2010 , 205-220	0.4	
180	Novel mechanism for temperature-independent transitions in flexible molecules: role of thermodynamic fluctuations. <i>Physical Review Letters</i> , 2010 , 104, 178105	7.4	8
179	Physiology of neuronal-glia networking. <i>Neurochemistry International</i> , 2010 , 57, 332-43	4.4	94
178	Vas deferens—a model used to establish sympathetic cotransmission. <i>Trends in Pharmacological Sciences</i> , 2010 , 31, 131-9	13.2	48
177	REVIEW: Oxytocin: Crossing the bridge between basic science and pharmacotherapy. <i>CNS Neuroscience and Therapeutics</i> , 2010 , 16, e138-56	6.8	168
176	Recent advances in (patho)physiology of astroglia. <i>Acta Pharmacologica Sinica</i> , 2010 , 31, 1044-54	8	53
175	Neuroglia in neurodegeneration. <i>Brain Research Reviews</i> , 2010 , 63, 189-211		212

174	Glial calcium and diseases of the nervous system. <i>Cell Calcium</i> , 2010 , 47, 140-9	4	132
173	An intelligent sarco-endoplasmic reticulum Ca ²⁺ store: release and leak channels have differential access to a concealed Ca ²⁺ pool. <i>Cell Calcium</i> , 2010 , 48, 143-9	4	44
172	Ionotropic NMDA and P2X _{1/5} receptors mediate synaptically induced Ca ²⁺ signalling in cortical astrocytes. <i>Cell Calcium</i> , 2010 , 48, 225-31	4	118
171	Ca(2+) homeostasis, Ca(2+) signalling and somatodendritic vasopressin release in adult rat supraoptic nucleus neurones. <i>Cell Calcium</i> , 2010 , 48, 324-32	4	26
170	Concomitant astroglial atrophy and astrogliosis in a triple transgenic animal model of Alzheimer's disease. <i>Glia</i> , 2010 , 58, 831-8	9	289
169	Astrocytes in Alzheimer's disease. <i>Neurotherapeutics</i> , 2010 , 7, 399-412	6.4	299
168	Differential calcium signalling in neuronal-glia networks. <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 2004-16	2.8	17
167	Bergmann Glial Cells 2009 , 161-171		2
166	Adenosine Triphosphate (ATP) as a Neurotransmitter 2009 , 115-123		3
165	A lentivirally delivered photoactivatable GFP to assess continuity in the endoplasmic reticulum of neurones and glia. <i>Pflugers Archiv European Journal of Physiology</i> , 2009 , 458, 809-18	4.6	11
164	Purinoreceptors on neuroglia. <i>Molecular Neurobiology</i> , 2009 , 39, 190-208	6.2	187
163	Cell death mechanisms: life in the balance. <i>Cell Death and Differentiation</i> , 2009 , 16, 512-4	12.7	2
162	Astroglia in dementia and Alzheimer's disease. <i>Cell Death and Differentiation</i> , 2009 , 16, 378-85	12.7	305
161	Neuronismo y reticulismo: neuronal-glia circuits unify the reticular and neuronal theories of brain organization. <i>Acta Physiologica</i> , 2009 , 195, 111-22	5.6	23
160	Evolutionary origins of the purinergic signalling system. <i>Acta Physiologica</i> , 2009 , 195, 415-47	5.6	207
159	The expanding field of purinergic signalling. <i>Trends in Neurosciences</i> , 2009 , 32, 1	13.3	5
158	Purinergic signalling in the nervous system: an overview. <i>Trends in Neurosciences</i> , 2009 , 32, 19-29	13.3	630
157	P2X receptors and synaptic plasticity. <i>Neuroscience</i> , 2009 , 158, 137-48	3.9	124

156	Neurotransmitter Receptors in Astrocytes 2009 , 49-67		9
155	Impaired cell proliferation in the subventricular zone in an Alzheimer's disease model. <i>NeuroReport</i> , 2009 , 20, 907-12	1.7	71
154	Endoplasmic Reticulum Calcium Homeostasis and Neuronal Pathophysiology of Stroke 2009 , 47-64		1
153	LV-pIN-KDEL: a novel lentiviral vector demonstrates the morphology, dynamics and continuity of the endoplasmic reticulum in live neurones. <i>BMC Neuroscience</i> , 2008 , 9, 10	3.2	18
152	Mitochondrial malfunction and Ca ²⁺ dyshomeostasis drive neuronal pathology in diabetes. <i>Cell Calcium</i> , 2008 , 44, 112-22	4	64
151	Mitochondria and calcium in health and disease. <i>Cell Calcium</i> , 2008 , 44, 1-5	4	116
150	ARG3.1/ARC expression in hippocampal dentate gyrus astrocytes: ultrastructural evidence and co-localization with glial fibrillary acidic protein. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 671-8	5.6	14
149	Neuroglia: the 150 years after. <i>Trends in Neurosciences</i> , 2008 , 31, 653-9	13.3	204
148	P2X1 and P2X5 subunits form the functional P2X receptor in mouse cortical astrocytes. <i>Journal of Neuroscience</i> , 2008 , 28, 5473-80	6.6	147
147	Impaired adult neurogenesis in the dentate gyrus of a triple transgenic mouse model of Alzheimer's disease. <i>PLoS ONE</i> , 2008 , 3, e2935	3.7	260
146	Cytoplasmic organelles determine complexity and specificity of calcium signalling in adrenal chromaffin cells. <i>Acta Physiologica</i> , 2008 , 192, 263-71	5.6	18
145	P2X3 receptor gating near normal body temperature. <i>Pflugers Archiv European Journal of Physiology</i> , 2008 , 456, 339-47	4.6	33
144	Mechanisms of ATP- and glutamate-mediated calcium signaling in white matter astrocytes. <i>Glia</i> , 2008 , 56, 734-49	9	165
143	2007 ,		93
142	Spontaneous autocrine release of protons activates ASIC-mediated currents in HEK293 cells. <i>Journal of Cellular Physiology</i> , 2007 , 212, 473-80	7	8
141	Glia: the fulcrum of brain diseases. <i>Cell Death and Differentiation</i> , 2007 , 14, 1324-35	12.7	206
140	Insulin-like growth factor-1-dependent maintenance of neuronal metabolism through the phosphatidylinositol 3-kinase-Akt pathway is inhibited by C2-ceramide in CAD cells. <i>European Journal of Neuroscience</i> , 2007 , 25, 3030-8	3.5	60
139	Glutamate-mediated neuronal-glial transmission. <i>Journal of Anatomy</i> , 2007 , 210, 651-60	2.9	123

138	Collapsin response mediator protein-2 hyperphosphorylation is an early event in Alzheimer's disease progression. <i>Journal of Neurochemistry</i> , 2007 , 103, 1132-44	6	136
137	The importance of being subtle: small changes in calcium homeostasis control cognitive decline in normal aging. <i>Aging Cell</i> , 2007 , 6, 267-73	9.9	144
136	Evolution of calcium homeostasis: from birth of the first cell to an omnipresent signalling system. <i>Cell Calcium</i> , 2007 , 42, 345-50	4	200
135	Endoplasmic reticulum calcium tunnels integrate signalling in polarised cells. <i>Cell Calcium</i> , 2007 , 42, 373-8	3	53
134	Membrane currents and cytoplasmic sodium transients generated by glutamate transport in Bergmann glial cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2007 , 454, 245-52	4.6	106
133	Quantal release of ATP in mouse cortex. <i>Journal of General Physiology</i> , 2007 , 129, 257-65	3.4	116
132	Control of hypothalamic orexin neurons by acid and CO ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 10685-90	11.5	243
131	Integrin-binding RGD peptides induce rapid intracellular calcium increases and MAPK signaling in cortical neurons. <i>Molecular and Cellular Neurosciences</i> , 2007 , 34, 147-54	4.8	31
130	Ivermectin potentiates ATP-induced ion currents in cortical neurones: evidence for functional expression of P2X ₄ receptors?. <i>Neuroscience Letters</i> , 2007 , 421, 158-62	3.3	26
129	Calcium and cell death. <i>Sub-Cellular Biochemistry</i> , 2007 , 45, 465-80	5.5	52
128	NMDA Receptors in glia. <i>Neuroscientist</i> , 2007 , 13, 28-37	7.6	190
127	T-type calcium channels: the never ending story. <i>Cell Calcium</i> , 2006 , 40, 81-8	4	46
126	Changes in mGlu5 receptor expression in the basal ganglia of reserpinised rats. <i>European Journal of Pharmacology</i> , 2006 , 545, 134-41	5.3	12
125	NMDA receptors mediate neuron-to-glia signaling in mouse cortical astrocytes. <i>Journal of Neuroscience</i> , 2006 , 26, 2673-83	6.6	276
124	Neuronal-glia networks as substrate for CNS integration. <i>Journal of Cellular and Molecular Medicine</i> , 2006 , 10, 869-879	5.6	6
123	Biophysical re-equilibration of Ca ²⁺ fluxes as a simple biologically plausible explanation for complex intracellular Ca ²⁺ release patterns. <i>FEBS Letters</i> , 2006 , 580, 463-8	3.8	15
122	Tandem-pore K ⁺ channels mediate inhibition of orexin neurons by glucose. <i>Neuron</i> , 2006 , 50, 711-22	13.9	235
121	Calcium ions and integration in neural circuits. <i>Acta Physiologica</i> , 2006 , 187, 357-69	5.6	36

120	Glial calcium signaling in physiology and pathophysiology. <i>Acta Pharmacologica Sinica</i> , 2006 , 27, 773-80	8	30
119	VIP receptors control excitability of suprachiasmatic nuclei neurones. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 452, 7-15	4.6	40
118	Purinergic transmission in the central nervous system. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 452, 479-85	4.6	116
117	Vesicular release of ATP at central synapses. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 452, 589-97	4.6	239
116	Patching the glia reveals the functional organisation of the brain. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 453, 411-20	4.6	33
115	From Galvani to patch clamp: the development of electrophysiology. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 453, 233-47	4.6	55
114	Neuronal-glia networks as substrate for CNS integration. <i>Journal of Cellular and Molecular Medicine</i> , 2006 , 10, 826-36	5.6	68
113	Neuronal-glia networks as substrate for CNS integration. <i>Journal of Cellular and Molecular Medicine</i> , 2006 , 10, 1-11	5.6	
112	Insulin enhances mitochondrial inner membrane potential and increases ATP levels through phosphoinositide 3-kinase in adult sensory neurons. <i>Molecular and Cellular Neurosciences</i> , 2005 , 28, 42-54	4.8	113
111	Electrical synapses between Bergmann glial cells and Purkinje neurones in rat cerebellar slices. <i>Molecular and Cellular Neurosciences</i> , 2005 , 28, 79-84	4.8	42
110	Neurotrophin-3 prevents mitochondrial dysfunction in sensory neurons of streptozotocin-diabetic rats. <i>Experimental Neurology</i> , 2005 , 194, 279-83	5.7	59
109	Physiology and pathophysiology of the calcium store in the endoplasmic reticulum of neurons. <i>Physiological Reviews</i> , 2005 , 85, 201-79	47.9	592
108	Intraluminal calcium as a primary regulator of endoplasmic reticulum function. <i>Cell Calcium</i> , 2005 , 38, 303-10	4	179
107	Calcium signalling: past, present and future. <i>Cell Calcium</i> , 2005 , 38, 161-9	4	183
106	Introduction: reactive oxygen species in health and disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005 , 360, 2197-2199	5.8	19
105	Glucose-sensing neurons of the hypothalamus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005 , 360, 2227-35	5.8	199
104	Physiological changes in glucose differentially modulate the excitability of hypothalamic melanin-concentrating hormone and orexin neurons in situ. <i>Journal of Neuroscience</i> , 2005 , 25, 2429-33	6.6	267
103	Ca ²⁺ and mitochondria as substrates for deficits in synaptic plasticity in normal brain ageing. <i>Journal of Cellular and Molecular Medicine</i> , 2004 , 8, 181-90	5.6	56

102	Effects of adenosine A1, dopamine D1 and metabotropic glutamate 5 receptors-modulating agents on locomotion of the reserpinised rats. <i>European Journal of Pharmacology</i> , 2004 , 497, 187-95	5.3	11
101	Two centuries of excitation-contraction coupling. <i>Cell Calcium</i> , 2004 , 35, 485-9	4	7
100	Regulation of GABA release by depolarisation-evoked Ca ²⁺ transients at a single hippocampal terminal. <i>Pflugers Archiv European Journal of Physiology</i> , 2004 , 448, 376-82	4.6	1
99	Ca ²⁺ regulation and gene expression in normal brain aging. <i>Trends in Neurosciences</i> , 2004 , 27, 614-20	13.3	179
98	Mitochondrial polarisation status and [Ca ²⁺] _i signalling in rat cerebellar granule neurones aged in vitro. <i>Neurobiology of Aging</i> , 2004 , 25, 349-59	5.6	44
97	Endoplasmic reticulum calcium signaling in nerve cells. <i>Biological Research</i> , 2004 , 37, 693-9	7.6	47
96	Neuronal endoplasmic reticulum acts as a single functional Ca ²⁺ store shared by ryanodine and inositol-1,4,5-trisphosphate receptors as revealed by intra-ER [Ca ²⁺] recordings in single rat sensory neurones. <i>Pflugers Archiv European Journal of Physiology</i> , 2003 , 446, 447-54	4.6	73
95	A dual role for interleukin-1 in LTP in mouse hippocampal slices. <i>Journal of Neuroimmunology</i> , 2003 , 144, 61-7	3.5	157
94	Neuronal ageing from an intraneuronal perspective: roles of endoplasmic reticulum and mitochondria. <i>Cell Calcium</i> , 2003 , 34, 311-23	4	70
93	Endoplasmic reticulum Ca(2+) homeostasis and neuronal death. <i>Journal of Cellular and Molecular Medicine</i> , 2003 , 7, 351-61	5.6	131
92	Mechanism of mitochondrial dysfunction in diabetic sensory neuropathy. <i>Journal of the Peripheral Nervous System</i> , 2003 , 8, 227-35	4.7	65
91	P2X receptor-mediated excitatory synaptic currents in somatosensory cortex. <i>Molecular and Cellular Neurosciences</i> , 2003 , 24, 842-9	4.8	53
90	Insulin prevents depolarization of the mitochondrial inner membrane in sensory neurons of type 1 diabetic rats in the presence of sustained hyperglycemia. <i>Diabetes</i> , 2003 , 52, 2129-36	0.9	146
89	Ca ²⁺ stores and Ca ²⁺ entry differentially contribute to the release of IL-1 beta and IL-1 alpha from murine macrophages. <i>Journal of Immunology</i> , 2003 , 170, 3029-36	5.3	119
88	Preface. Ca ²⁺ and neuronal pathology. <i>European Journal of Pharmacology</i> , 2002 , 447, 115-7	5.3	4
87	The endoplasmic reticulum as an integrating signalling organelle: from neuronal signalling to neuronal death. <i>European Journal of Pharmacology</i> , 2002 , 447, 141-54	5.3	112
86	Xestospongins C empties the ER calcium store but does not inhibit InsP3-induced Ca ²⁺ release in cultured dorsal root ganglia neurones. <i>Cell Calcium</i> , 2002 , 32, 49-52	4	49
85	The endoplasmic reticulum and neuronal calcium signalling. <i>Cell Calcium</i> , 2002 , 32, 393-404	4	151

84	The endoplasmic reticulum is a focal point for co-ordination of cellular activity. <i>Cell Calcium</i> , 2002 , 32, 231-4	4	47
83	Diabetes-induced alterations in calcium homeostasis in sensory neurones of streptozotocin-diabetic rats are restricted to lumbar ganglia and are prevented by neurotrophin-3. <i>Diabetologia</i> , 2002 , 45, 560-70	10.3	79
82	Theoretical estimation of the capacity of intracellular calcium stores in the Bergmann glial cell. <i>Pflugers Archiv European Journal of Physiology</i> , 2002 , 443, 643-51	4.6	4
81	Monitoring of free calcium in the neuronal endoplasmic reticulum: an overview of modern approaches. <i>Journal of Neuroscience Methods</i> , 2002 , 122, 1-12	3	79
80	Ionotropic P2X purinoreceptors mediate synaptic transmission in rat pyramidal neurones of layer II/III of somato-sensory cortex. <i>Journal of Physiology</i> , 2002 , 542, 529-36	3.9	96
79	Direct Visualization of Physiological Calcium-Induced Calcium Release (CICR) Triggered by Calcium Entry via Voltage-Gated Calcium Channels. <i>Neurophysiology</i> , 2002 , 34, 237-238	0.6	
78	Alterations in the Function of Endoplasmic Reticulum and Neuronal Signalling. <i>Neurophysiology</i> , 2002 , 34, 112-117	0.6	1
77	Ca(2+) dynamics in the lumen of the endoplasmic reticulum in sensory neurons: direct visualization of Ca(2+)-induced Ca(2+) release triggered by physiological Ca(2+) entry. <i>EMBO Journal</i> , 2002 , 21, 622-30 ¹³		151
76	Hypoxia reverses dibutyryl-cAMP-induced stellation of cultured astrocytes via activation of the endothelin system. <i>FASEB Journal</i> , 2001 , 15, 1227-9	0.9	9
75	Capsaicin-induced depolarisation of mitochondria in dorsal root ganglion neurons is enhanced by vanilloid receptors. <i>Neuroscience</i> , 2001 , 103, 219-26	3.9	50
74	Principles of Fluorescence Measurements [Dyes and Hardware Required 2001 , 3-45		1
73	Neuronal ageing in long-term cultures: alterations of Ca ²⁺ homeostasis. <i>NeuroReport</i> , 2000 , 11, 3725-9	1.7	18
72	Parameters of calcium homeostasis in normal neuronal ageing. <i>Journal of Anatomy</i> , 2000 , 197 Pt 4, 563-9	2.9	48
71	Age-related structural and functional changes of brain mitochondria. <i>Cell Calcium</i> , 2000 , 28, 329-38	4	62
70	Activation of mouse microglial cells affects P2 receptor signaling. <i>Brain Research</i> , 2000 , 853, 49-59	3.7	110
69	Assessment of mitochondrial polarization status in living cells based on analysis of the spatial heterogeneity of rhodamine 123 fluorescence staining. <i>Pflugers Archiv European Journal of Physiology</i> , 2000 , 440, 941-7	4.6	51
68	Ammonium triggers calcium elevation in cultured mouse microglial cells by initiating Ca ²⁺ release from thapsigargin-sensitive intracellular stores. <i>Pflugers Archiv European Journal of Physiology</i> , 2000 , 439, 370-377	4.6	9
67	Ion channels in glial cells. <i>Brain Research Reviews</i> , 2000 , 32, 380-412		410

66	Ammonium triggers calcium elevation in cultured mouse microglial cells by initiating Ca ²⁺ release from thapsigargin-sensitive intracellular stores. <i>Pflugers Archiv European Journal of Physiology</i> , 2000 , 439, 370-7	4.6	6
65	Calcium and Cellular Ageing 2000 , 277-286		
64	Microdomains for neuron-glia interaction: parallel fiber signaling to Bergmann glial cells. <i>Nature Neuroscience</i> , 1999 , 2, 139-43	25.5	541
63	Glutamate-triggered calcium signalling in mouse bergmann glial cells in situ: role of inositol-1,4,5-trisphosphate-mediated intracellular calcium release. <i>Neuroscience</i> , 1999 , 92, 1051-9	3.9	66
62	Expression and functional analysis of glutamate receptors in glial cells. <i>Advances in Experimental Medicine and Biology</i> , 1999 , 468, 49-67	3.6	35
61	Relations between intracellular Ca ²⁺ stores and store-operated Ca ²⁺ entry in primary cultured human glioblastoma cells. <i>Journal of Physiology</i> , 1998 , 513 (Pt 2), 411-24	3.9	53
60	Neuronal calcium stores. <i>Cell Calcium</i> , 1998 , 24, 333-43	4	86
59	Calcium signalling in glial cells. <i>Cell Calcium</i> , 1998 , 24, 405-16	4	135
58	Calcium and neuronal ageing. <i>Trends in Neurosciences</i> , 1998 , 21, 2-7	13.3	195
57	Long-term activation of capacitative Ca ²⁺ entry in mouse microglial cells. <i>Neuroscience</i> , 1998 , 86, 925-35	3.9	88
56	Glial calcium: homeostasis and signaling function. <i>Physiological Reviews</i> , 1998 , 78, 99-141	47.9	580
55	Single-cell characterization of endothelin system gene expression in the cerebellum in situ. <i>Journal of Cardiovascular Pharmacology</i> , 1998 , 31 Suppl 1, S364-6	3.1	13
54	Endothelin-induced calcium signaling in cultured mouse microglial cells is mediated through ETB receptors. <i>NeuroReport</i> , 1997 , 8, 2127-31	1.7	30
53	Mitochondria buffer Ca ²⁺ entry but not intracellular Ca ²⁺ release in mouse DRG neurones. <i>NeuroReport</i> , 1997 , 8, 3929-32	1.7	39
52	ATP induces Ca ²⁺ release from IP ₃ -sensitive Ca ²⁺ stores exclusively in large DRG neurones. <i>NeuroReport</i> , 1997 , 8, 1555-9	1.7	54
51	InsP ₃ -induced Ca ²⁺ release in dorsal root ganglion neurones. <i>Neuroscience Letters</i> , 1997 , 227, 107-10	3.3	28
50	Na ⁺ /Ca ²⁺ exchanger modulates kainate-triggered Ca ²⁺ signaling in Bergmann glial cells in situ. <i>FASEB Journal</i> , 1997 , 11, 566-72	0.9	114
49	Mechanisms of C5a and C3a complement fragment-induced [Ca ²⁺] _i signaling in mouse microglia. <i>Journal of Neuroscience</i> , 1997 , 17, 615-24	6.6	129

48	Bergmann glial cells in situ express endothelinB receptors linked to cytoplasmic calcium signals. <i>Cell Calcium</i> , 1997 , 21, 409-19	4	43
47	Calcium signalling in glial cells. <i>Neurophysiology</i> , 1997 , 29, 205-212	0.6	3
46	Expression of type 1 metabotropic glutamate receptors in Purkinje neurons of mice. <i>Neurophysiology</i> , 1997 , 29, 28-31	0.6	
45	Gradual caffeine-induced Ca ²⁺ release in mouse dorsal root ganglion neurons is controlled by cytoplasmic and luminal Ca ²⁺ . <i>Neuroscience</i> , 1996 , 73, 1061-7	3.9	48
44	Activation of P2-purino-, alpha 1-adreno and H1-histamine receptors triggers cytoplasmic calcium signalling in cerebellar Purkinje neurons. <i>Neuroscience</i> , 1996 , 73, 643-7	3.9	61
43	ATP-induced membrane currents in amoeboid microglia acutely isolated from mouse brain slices. <i>Neuroscience</i> , 1996 , 75, 257-61	3.9	86
42	Calcium signalling in glial cells. <i>Trends in Neurosciences</i> , 1996 , 19, 346-52	13.3	429
41	Calcium homeostasis in aged neurones. <i>Life Sciences</i> , 1996 , 59, 451-9	6.8	67
40	[Ca ²⁺] _i recordings from neural cells in acutely isolated cerebellar slices employing differential loading of the membrane-permeant form of the calcium indicator fura-2. <i>Pflugers Archiv European Journal of Physiology</i> , 1996 , 431, 977-983	4.6	6
39	[Ca ²⁺] _i recordings from neural cells in acutely isolated cerebellar slices employing differential loading of the membrane-permeant form of the calcium indicator fura-2. <i>Pflugers Archiv European Journal of Physiology</i> , 1996 , 431, 977-83	4.6	32
38	Age-associated changes of cytoplasmic calcium homeostasis in cerebellar granule neurons in situ: investigation on thin cerebellar slices. <i>Experimental Gerontology</i> , 1996 , 31, 475-87	4.5	24
37	Calcium-induced calcium release in neurones. <i>Cell Calcium</i> , 1996 , 19, 1-14	4	251
36	Calcium signalling in granule neurones studied in cerebellar slices. <i>Cell Calcium</i> , 1996 , 19, 59-71	4	33
35	Calcium signalling in mouse Bergmann glial cells mediated by alpha1-adrenoreceptors and H1 histamine receptors. <i>European Journal of Neuroscience</i> , 1996 , 8, 1198-208	3.5	94
34	3-Isobutyl-1-methylxanthine (IBMX) affects potassium permeability in rat sensory neurones via pathways that are sensitive and insensitive to [Ca ²⁺] _i . <i>Pflugers Archiv European Journal of Physiology</i> , 1995 , 430, 420-8	4.6	13
33	IBMX induces calcium release from intracellular stores in rat sensory neurones. <i>Cell Calcium</i> , 1995 , 17, 197-206	4	35
32	Properties of the caffeine-sensitive intracellular calcium stores in mammalian neurons. <i>Neurophysiology</i> , 1995 , 26, 13-20	0.6	
31	Calcium signalling in oligodendrocytes. <i>Neurophysiology</i> , 1995 , 26, 21-25	0.6	2

30	ATP-induced cytoplasmic calcium mobilization in Bergmann glial cells. <i>Journal of Neuroscience</i> , 1995 , 15, 7861-71	6.6	137
29	Calcium-induced calcium release in rat sensory neurons. <i>Journal of Physiology</i> , 1995 , 489 (Pt 3), 627-36	3.9	96
28	Dual action of thapsigargin on calcium mobilization in sensory neurons: inhibition of Ca ²⁺ uptake by caffeine-sensitive pools and blockade of plasmalemmal Ca ²⁺ channels. <i>Neuroscience</i> , 1995 , 65, 1109-18	3.9	66
27	Depolarization-induced calcium signals in the somata of cerebellar Purkinje neurons. <i>Neuroscience Research</i> , 1995 , 24, 87-95	2.9	18
26	Preferential localization of active mitochondria in process tips of immature retinal oligodendrocytes. <i>NeuroReport</i> , 1995 , 6, 737-41	1.7	27
25	Ryanodine receptor-mediated intracellular calcium release in rat cerebellar Purkinje neurones. <i>Journal of Physiology</i> , 1995 , 487, 1-16	3.9	117
24	Activation of P2-purinoreceptors triggered Ca ²⁺ release from InsP3-sensitive internal stores in mammalian oligodendrocytes. <i>Journal of Physiology</i> , 1995 , 483 (Pt 1), 41-57	3.9	125
23	Subcellular heterogeneity of voltage-gated Ca ²⁺ channels in cells of the oligodendrocyte lineage. <i>Glia</i> , 1995 , 13, 1-12	9	64
22	Age-dependent changes in calcium currents and calcium homeostasis in mammalian neurons. <i>Annals of the New York Academy of Sciences</i> , 1994 , 747, 365-81	6.5	59
21	Different properties of caffeine-sensitive Ca ²⁺ stores in peripheral and central mammalian neurones. <i>Pflugers Archiv European Journal of Physiology</i> , 1994 , 426, 174-6	4.6	73
20	Calcium stores in neurons and glia. <i>Neuroscience</i> , 1994 , 63, 381-404	3.9	161
19	Role of caffeine-sensitive Ca ²⁺ stores in Ca ²⁺ signal termination in adult mouse DRG neurones. <i>NeuroReport</i> , 1994 , 5, 2073-6	1.7	59
18	Caffeine-induced calcium release from internal stores in cultured rat sensory neurons. <i>Neuroscience</i> , 1993 , 57, 845-59	3.9	144
17	Calcium currents in aged rat dorsal root ganglion neurones. <i>Journal of Physiology</i> , 1993 , 461, 467-83	3.9	64
16	Different action of ethosuximide on low- and high-threshold calcium currents in rat sensory neurons. <i>Neuroscience</i> , 1992 , 51, 755-8	3.9	58
15	Measurements of intracellular calcium in sensory neurons of adult and old rats. <i>Neuroscience</i> , 1992 , 50, 947-51	3.9	57
14	Ca ²⁺ Channel Expression in the Oligodendrocyte Lineage. <i>European Journal of Neuroscience</i> , 1992 , 4, 1035-1048	3.5	72
13	Single K ⁺ channel properties in cultured mouse Schwann cells: conductance and kinetics. <i>Journal of Neuroscience Research</i> , 1991 , 28, 200-9	4.4	10

12	K ⁺ channel properties in cultured mouse Schwann cells: dependence on extracellular K ⁺ . <i>Journal of Neuroscience Research</i> , 1991 , 28, 210-6	4.4	10
11	Effect of allapinine on sodium currents in single trigeminal neurons and cardiomyocytes of rats. <i>Bulletin of Experimental Biology and Medicine</i> , 1991 , 111, 496-498	0.8	2
10	Effects of allapinine on sodium currents in neurons isolated from the rat trigeminal ganglion and cardiomyocytes. <i>Neurophysiology</i> , 1990 , 22, 157-162	0.6	1
9	Patch-clamp recordings on rat cardiac muscle slices. <i>Pflugers Archiv European Journal of Physiology</i> , 1990 , 417, 123-5	4.6	16
8	Cultured glial precursor cells from mouse cortex express two types of calcium currents. <i>Neuroscience Letters</i> , 1990 , 112, 194-8	3.3	59
7	An astrocytic basis of caloric restriction action on the brain plasticity		1
6	Parameters of calcium homeostasis in normal neuronal ageing		1
5	Iatrogenic Iron Promotes Neurodegeneration and Activates Self-protection of Neural Cells against Exogenous Iron Attacks		1
4	Immortalised hippocampal astrocytes from 3xTG-AD mice fail to support BBB integrity in vitro: Role of extracellular vesicles in glial-endothelial communication		1
3	Astrocytes express DMT1 and transferrin receptors, which transport iron thus activating Ca ²⁺ signalling: possible role in neuroprotection against iron overload?		1
2	Astrocytes dystrophy in ageing brain parallels impaired synaptic plasticity		4
1	Neuroglia in Neurological Diseases453-512		3