

Konstantin V Anokhin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9306268/publications.pdf>

Version: 2024-02-01

98
papers

2,116
citations

304743

22
h-index

254184

43
g-index

102
all docs

102
docs citations

102
times ranked

2393
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a new developmental synthesis: adaptive developmental plasticity and human disease. <i>Lancet, The</i> , 2009, 373, 1654-1657.	13.7	368
2	Reminder effects - reconsolidation or retrieval deficit? Pharmacological dissection with protein synthesis inhibitors following reminder for a passive-avoidance task in young chicks. <i>European Journal of Neuroscience</i> , 2002, 15, 1759-1765.	2.6	189
3	Effects of early experience on c-fos gene expression in the chick forebrain. <i>Brain Research</i> , 1991, 544, 101-107.	2.2	162
4	Learning-induced Increase of Immediate Early Gene Messenger RNA in the Chick Forebrain. <i>European Journal of Neuroscience</i> , 1991, 3, 162-167.	2.6	137
5	Comprehensive transcriptome analysis of neocortical layers in humans, chimpanzees and macaques. <i>Nature Neuroscience</i> , 2017, 20, 886-895.	14.8	101
6	Mice in Bion-M 1 Space Mission: Training and Selection. <i>PLoS ONE</i> , 2014, 9, e104830.	2.5	88
7	Two critical periods of protein and glycoprotein synthesis in memory consolidation for visual categorization learning in chicks.. <i>Learning and Memory</i> , 1998, 4, 401-410.	1.3	50
8	Apaf1-dependent programmed cell death is required for inner ear morphogenesis and growth. <i>Development (Cambridge)</i> , 2004, 131, 2125-2135.	2.5	47
9	Tailoring the soliton output of a photonic crystal fiber for enhanced two-photon excited luminescence response from fluorescent protein biomarkers and neuron activity reporters. <i>Optics Letters</i> , 2009, 34, 3373.	3.3	45
10	oligodeoxynucleotides to c-fos are amnesic for passive avoidance in the chick. <i>NeuroReport</i> , 1996, 7, 1269-1272.	1.2	43
11	Neurophotonics: optical methods to study and control the brain. <i>Physics-Uspexhi</i> , 2015, 58, 345-364.	2.2	38
12	A new design for a green calcium indicator with a smaller size and a reduced number of calcium-binding sites. <i>Scientific Reports</i> , 2016, 6, 34447.	3.3	35
13	Three time windows for amnesic effect of antibodies to cell adhesion molecule L1 in chicks. <i>NeuroReport</i> , 1998, 9, 1645-1648.	1.2	33
14	Genetic ablation of the mammillary bodies in theFoxb1mutant mouse leads to selective deficit of spatial working memory. <i>European Journal of Neuroscience</i> , 2005, 21, 219-229.	2.6	33
15	Novel Genetically Encoded Bright Positive Calcium Indicator NCaMP7 Based on the mNeonGreen Fluorescent Protein. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1644.	4.1	33
16	Lasting downregulation of the lipid peroxidation enzymes in the prefrontal cortex of mice susceptible to stress-induced anhedonia. <i>Behavioural Brain Research</i> , 2015, 276, 118-129.	2.2	32
17	Ionization penalty in nonlinear Raman neuroimaging. <i>Optics Letters</i> , 2011, 36, 508.	3.3	30
18	Fos expression and task-related neuronal activity in rat cerebral cortex after instrumental learning. <i>Neuroscience</i> , 2005, 136, 33-42.	2.3	29

#	ARTICLE	IF	CITATIONS
19	Near-Infrared Genetically Encoded Positive Calcium Indicator Based on GAF-FP Bacterial Phytochrome. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3488.	4.1	28
20	Differential splicing creates a diversity of transcripts from a neurospecific developmentally regulated gene encoding a protein with new zinc-finger motifs. <i>Nucleic Acids Research</i> , 1992, 20, 5579-5585.	14.5	25
21	Nonlinear-optical brain anatomy by harmonic-generation and coherent Raman microscopy on a compact femtosecond laser platform. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	25
22	Involvement of Glutamate Receptors, Protein Kinases, and Protein Synthesis in Memory for Visual Discrimination in the Young Chick. <i>Neurobiology of Learning and Memory</i> , 1996, 65, 233-243.	1.9	24
23	NTnC-like genetically encoded calcium indicator with a positive and enhanced response and fast kinetics. <i>Scientific Reports</i> , 2018, 8, 15233.	3.3	24
24	Slowly Reducible Genetically Encoded Green Fluorescent Indicator for In Vivo and Ex Vivo Visualization of Hydrogen Peroxide. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3138.	4.1	24
25	Radiation Induces Distinct Changes in Defined Subpopulations of Neural Stem and Progenitor Cells in the Adult Hippocampus. <i>Frontiers in Neuroscience</i> , 2018, 12, 1013.	2.8	24
26	The differential effects of chronic imipramine or citalopram administration on physiological and behavioral outcomes in naïve mice. <i>Behavioural Brain Research</i> , 2013, 245, 101-106.	2.2	23
27	Photonic-crystal-fiber platform for multicolor multilabel neurophotonic studies. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	22
28	Green fluorescent genetically encoded calcium indicator based on calmodulin/M13-peptide from fungi. <i>PLoS ONE</i> , 2017, 12, e0183757.	2.5	22
29	Chicken synucleins: cloning and expression in the developing embryo. <i>Mechanisms of Development</i> , 2000, 99, 195-198.	1.7	19
30	Food for Song: Expression of C-Fos and ZENK in the Zebra Finch Song Nuclei during Food Aversion Learning. <i>PLoS ONE</i> , 2011, 6, e21157.	2.5	19
31	Raman detection of cell proliferation probes with antiresonance-guiding hollow fibers. <i>Optics Letters</i> , 2012, 37, 4642.	3.3	18
32	FGCaMP7, an Improved Version of Fungi-Based Ratiometric Calcium Indicator for In Vivo Visualization of Neuronal Activity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3012.	4.1	17
33	Fiber-optic probes for <i>in vivo</i> depth-resolved neuron activity mapping. <i>Journal of Biophotonics</i> , 2010, 3, 660-669.	2.3	16
34	Multicolor in vivo brain imaging with a microscope-coupled fiber-bundle microprobe. <i>Applied Physics Letters</i> , 2012, 101, 233702.	3.3	16
35	The Arc gene: Retroviral heritage in cognitive functions. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 99, 275-281.	6.1	16
36	Air-guided photonic-crystal-fiber pulse-compression delivery of multimegawatt femtosecond laser output for nonlinear-optical imaging and neurosurgery. <i>Applied Physics Letters</i> , 2012, 100, 101104.	3.3	15

#	ARTICLE	IF	CITATIONS
37	DALMATIAN: An Algorithm for Automatic Cell Detection and Counting in 3D. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 117.	1.7	15
38	All-Optical Brain Thermometry in Freely Moving Animals. <i>ACS Photonics</i> , 2020, 7, 3353-3360.	6.6	12
39	Waves of c-Fos and Arc Proteins Expression in Neuronal Populations of the Hippocampus in Response to a Single Episode of New Experience. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 160, 729-732.	0.8	11
40	Multisite cell- and neural dynamics-resolving deep brain imaging in freely moving mice with implanted reconnectable fiber bundles. <i>Journal of Biophotonics</i> , 2020, 13, e202000081.	2.3	11
41	Genome of brain neurons in organization of systemic mechanisms of behavior. <i>Bulletin of Experimental Biology and Medicine</i> , 2003, 135, 107-113.	0.8	9
42	Enhancing the locality of optical interrogation with photonic-crystal fibers. <i>Applied Physics Letters</i> , 2012, 101, 021114.	3.3	9
43	Reconnectable fiberscopes for chronic in vivo deep-brain imaging. <i>Journal of Biophotonics</i> , 2018, 11, e201700106.	2.3	9
44	Enhancement of Optical Transmission Capacity of Isolated Structures in the Brain of Mature Mice. <i>Bulletin of Experimental Biology and Medicine</i> , 2009, 147, 3-6.	0.8	8
45	Fibreoptic fluorescent microscopy in studying biological objects. <i>Quantum Electronics</i> , 2010, 40, 842-846.	1.0	8
46	Fiber-optic Raman sensing of cell proliferation probes and molecular vibrations: Brain-imaging perspective. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	8
47	Three-dimensional fiber-optic readout of single-neuron-resolved fluorescence in living brain of transgenic mice. <i>Journal of Biophotonics</i> , 2017, 10, 775-779.	2.3	8
48	Quantitative cognitive-test characterization of reconnectable implantable fiber-optic neurointerfaces for optogenetic neurostimulation. <i>Journal of Biophotonics</i> , 2017, 10, 1485-1491.	2.3	8
49	Two-photon imaging of fiber-coupled neurons. <i>Journal of Biophotonics</i> , 2018, 11, e201600203.	2.3	8
50	Mapping the Neural Substrates of Recent and Remote Visual Imprinting Memory in the Chick Brain. <i>Frontiers in Physiology</i> , 2019, 10, 351.	2.8	8
51	Central effects of the tetrapeptide tuftsin. <i>Bulletin of Experimental Biology and Medicine</i> , 1981, 92, 890-892.	0.8	7
52	Paradoxical Effect of NMDA Receptor Blockade in Chicks on Learning and Memory in Passive Avoidance Model. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 162, 1-3.	0.8	7
53	Urokinase receptor and tissue plasminogen activator as immediate-early genes in pentylenetetrazole-induced seizures in the mouse brain. <i>European Journal of Neuroscience</i> , 2020, 51, 1559-1572.	2.6	7
54	FRCaMP, a Red Fluorescent Genetically Encoded Calcium Indicator Based on Calmodulin from <i>Schizosaccharomyces Pombe</i> Fungus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 111.	4.1	7

#	ARTICLE	IF	CITATIONS
55	The brain and memory: The biology of traces of time past. Herald of the Russian Academy of Sciences, 2010, 80, 237-242.	0.6	6
56	Lentiviral Transduction of Neurons in Adult Brain: Evaluation of Inflammatory Response and Cognitive Effects in Mice. Bulletin of Experimental Biology and Medicine, 2016, 161, 316-319.	0.8	6
57	Calcium Imaging Reveals Fast Tuning Dynamics of Hippocampal Place Cells and CA1 Population Activity during Free Exploration Task in Mice. International Journal of Molecular Sciences, 2022, 23, 638.	4.1	6
58	Recovery of Impaired Memory and c-fos Gene Expression in Brains of Amnestic Animals in Response to Reminder Stimulation. Bulletin of Experimental Biology and Medicine, 2012, 153, 738-741.	0.8	5
59	Glutamate Receptor Modulator Dimebon Stimulates Consolidation and Reconsolidation of Weak Memory in Chicks. Bulletin of Experimental Biology and Medicine, 2012, 153, 714-716.	0.8	4
60	Effects of Systemic Administration of Histone Deacetylase Inhibitor on Memory Formation and Immediate Early Gene Expression in Chick Brain. Bulletin of Experimental Biology and Medicine, 2012, 153, 742-745.	0.8	4
61	Recovery of Impaired Memory: Expression of c-Fos and Egr-1 Transcription Factors during Restoration of Damaged Engram in the Chick Brain. Biochemistry (Moscow), 2018, 83, 1117-1123.	1.5	4
62	Fiber-probe detection for positron-emission-assisted Cherenkov-radiation brain mapping. Physical Review E, 2011, 84, 061902.	2.1	3
63	Increased 5-Bromo-2â€™-Deoxyuridine Incorporation in Various Brain Structures Following Passive Avoidance Training in Mice. Bulletin of Experimental Biology and Medicine, 2012, 153, 591-593.	0.8	3
64	Specific Changes in c-fos Expression and Colocalization with DNA in Identified Neuronal Nuclei of Edible Snail Following Neurotransmitter Application. Bulletin of Experimental Biology and Medicine, 2012, 153, 734-737.	0.8	3
65	Contrasting of Biological Samples for X-Ray Synchrotron Microtomography. Bulletin of Experimental Biology and Medicine, 2013, 155, 413-416.	0.8	3
66	Network activity of mirror neurons depends on experience. Journal of Integrative Neuroscience, 2013, 12, 35-46.	1.7	3
67	Formation of Spatial and Nonspatial Memory in Different Condensed Versions of Short-Term Learning in Morris Water Maze. Bulletin of Experimental Biology and Medicine, 2014, 156, 602-604.	0.8	3
68	Involvement of Adult-born and Preexisting Olfactory Bulb and Dentate Gyrus Neurons in Single-trial Olfactory Memory Acquisition and Retrieval. Neuroscience, 2019, 422, 75-87.	2.3	3
69	The Laplacian eigenmaps dimensionality reduction of fMRI data for discovering stimulus-induced changes in the resting-state brain activity. NeuroImage Reports, 2021, 1, 100035.	1.0	3
70	Early Induction of Neurotrophin Receptor and miRNA Genes in Mouse Brain after Pentiletetrazole-Induced Neuronal Activity. Biochemistry (Moscow), 2021, 86, 1326-1341.	1.5	3
71	Mice display learning and behavioral deficits after a 30-day spaceflight on Bion-M1 satellite. Behavioural Brain Research, 2022, 419, 113682.	2.2	3
72	Stress-induced expression of c-fos in the rat brain: A comparison of averaging and typological analysis. Neuroscience Research Communications, 2000, 27, 95-102.	0.2	2

#	ARTICLE	IF	CITATIONS
73	5-Bromo-2â€™-Deoxyuridine Impairs Long-Term Food Aversion Memory in Edible Snail. Bulletin of Experimental Biology and Medicine, 2012, 153, 767-770.	0.8	2
74	Immunohistochemical Detection of Two Neuronal Populations Involved in Two Different Episodes of Animal Cognitive Activity. Bulletin of Experimental Biology and Medicine, 2012, 154, 115-117.	0.8	2
75	Statistic Parametric Mapping of Changes in Gene Activity in Animal Brain during Acoustic Stimulation. Bulletin of Experimental Biology and Medicine, 2013, 154, 697-699.	0.8	2
76	Adaptation to a blood pressure telemetry system revealed by measures of activity, agility and operant learning in mice. Journal of Pharmacological and Toxicological Methods, 2017, 85, 29-37.	0.7	2
77	Prenatal Sensory Stimulation Induces BDNF Gene Expression in the Brain and Potentiates the Development of Species-Specific Predisposition in Newborn Chicks. Bulletin of Experimental Biology and Medicine, 2018, 166, 229-232.	0.8	2
78	MAPPING OF MEMORY SYSTEMS' ARCHITECTURE BY INDUCIBLE TRANSCRIPTION FACTORS IN THE BRAIN. , 2002, , .		2
79	A brief sketch of Soviet neuroscience. Trends in Neurosciences, 1991, 14, 229-231.	8.6	1
80	MEMORY RETRANSCRIPTION AT THE TIME OF RETRIEVAL: A CLUE TO DYNAMIC NATURE OF MEMORY. , 2002, , .		1
81	Detection of Trace Processes in the Networks of Neurons Cultured on Microelectrode Arrays. Bulletin of Experimental Biology and Medicine, 2012, 153, 594-597.	0.8	1
82	Brain Morphology Imaging by 3D Microscopy and Fluorescent Nissl Staining. Bulletin of Experimental Biology and Medicine, 2013, 155, 399-402.	0.8	1
83	Involvement of Protein Kinase MÎ¶ in the Maintenance of Long-Term Memory for Taste Aversion Learning in Young Chicks. Bulletin of Experimental Biology and Medicine, 2015, 158, 592-594.	0.8	1
84	The architecture of neural networks for enhanced autobiographical memory access: a functional MRI study. Procedia Computer Science, 2020, 169, 787-794.	2.0	1
85	Implantable gradedâ€ˆindex fibers for neuralâ€ˆdynamicsâ€ˆresolving brain imaging in awake mice on an airâ€ˆlifted platform. Journal of Biophotonics, 0, , .	2.3	1
86	Azidothymidine-induced disturbance of long-term memory in mice. Bulletin of Experimental Biology and Medicine, 1988, 106, 1080-1082.	0.8	0
87	Stable memory traces in the ever changing brain: Reality or delusion?. International Journal of Psychophysiology, 2008, 69, 136-137.	1.0	0
88	An Interactive Method of Anatomical Segmentation and Gene Expression Estimation for an Experimental Mouse Brain Slice. Lecture Notes in Computer Science, 2011, , 86-97.	1.3	0
89	Clustered c-Fos Activation in Rat Hippocampus at the Acquisition Stage of Appetitive Instrumental Learning. Journal of Behavioral and Brain Science, 2015, 05, 69-80.	0.5	0
90	Pro-Cognitive Effects of Non-Peptide Analogues of Soluble Amyloid Peptide Precursor Fragment sAPP. Bulletin of Experimental Biology and Medicine, 2016, 161, 447-450.	0.8	0

#	ARTICLE	IF	CITATIONS
91	The Rapid Formation of CA1 Hippocampal Cognitive Map in Mice Exploring a Novel Environment. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 452-457.	0.6	0
92	Traumatic memory: Molecular and cellular mechanisms of post-traumatic stress disorder. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
93	A Birst of LINE1 and IAP Retrotransposon Expression in the Mouse Brain Following Acute Behavioral Stress. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
94	The Rapid Place Field Tuning in Mice Exploring a Novel Environment. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
95	Patterns of Cellular Overlap in Expression of Fos and Arc Activity-Regulated Genes in the Mouse Brain Regions During Acquisition and Retrieval of Contextual Conditioned Fear. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
96	Neuronal encoding of objects and place in hippocampus: the value of objects shapes memory. , 2021, , .		0
97	Calcium activity of retrosplenial cortex during place and object recognition in mice. , 2021, , .		0
98	Spatiotemporal 3D image registration for mesoscale studies of brain development. <i>Scientific Reports</i> , 2022, 12, 3648.	3.3	0