

# Yulia A Sidorova

## List of Publications by Year in descending order

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35  
papers

843  
citations

567281

15  
h-index

501196

28  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heparan sulfate proteoglycan syndecan-3 is a novel receptor for GDNF, neurturin, and artemin. <i>Journal of Cell Biology</i> , 2011, 192, 153-169.	5.2	164
2	The Structure of the Glial Cell Line-derived Neurotrophic Factor-Coreceptor Complex. <i>Journal of Biological Chemistry</i> , 2008, 283, 35164-35172.	3.4	69
3	Molecular Dynamics Simulations of the Interactions between Glial Cell Line-Derived Neurotrophic Factor Family Receptor GFR $\alpha$ 1 and Small-Molecule Ligands. <i>ACS Omega</i> , 2018, 3, 11407-11414.	3.5	69
4	Differential Spinal and Supraspinal Activation of Glia in a Rat Model of Morphine Tolerance. <i>Neuroscience</i> , 2018, 375, 10-24.	2.3	46
5	A Novel Small Molecule GDNF Receptor RET Agonist, BT13, Promotes Neurite Growth from Sensory Neurons <i>In Vitro</i> and Attenuates Experimental Neuropathy in the Rat. <i>Frontiers in Pharmacology</i> , 2017, 8, 365.	3.5	45
6	A deep convolutional neural network approach for astrocyte detection. <i>Scientific Reports</i> , 2018, 8, 12878.	3.3	42
7	Heparin-binding determinants of GDNF reduce its tissue distribution but are beneficial for the protection of nigral dopaminergic neurons. <i>Experimental Neurology</i> , 2009, 219, 499-506.	4.1	35
8	Persephin signaling through GFR $\alpha$ 1: The potential for the treatment of Parkinson's disease. <i>Molecular and Cellular Neurosciences</i> , 2010, 44, 223-232.	2.2	30
9	Can Growth Factors Cure Parkinson's Disease?. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 909-922.	8.7	29
10	Glial Cell Line-Derived Neurotrophic Factor Receptor Rearranged During Transfection Agonist Supports Dopamine Neurons <i>In Vitro</i> and Enhances Dopamine Release <i>In Vivo</i> . <i>Movement Disorders</i> , 2020, 35, 245-255.	3.9	24
11	Neuroregeneration in Parkinson's Disease: From Proteins to Small Molecules. <i>Current Neuropharmacology</i> , 2019, 17, 268-287.	2.9	24
12	RET Receptor Tyrosine Kinase: Role in Neurodegeneration, Obesity, and Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7108.	4.1	24
13	Glial cell line-derived neurotrophic factors (GFLs) and small molecules targeting RET receptor for the treatment of pain and Parkinson's disease. <i>Cell and Tissue Research</i> , 2020, 382, 147-160.	2.9	22
14	Gfra1 Underexpression Causes Hirschsprung's Disease and Associated Enterocolitis in Mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 655-678.	4.5	20
15	Detecting Oxidative Stress Biomarkers in Neurodegenerative Disease Models and Patients. <i>Methods and Protocols</i> , 2020, 3, 66.	2.0	19
16	Small-Molecule Ligands as Potential GDNF Family Receptor Agonists. <i>ACS Omega</i> , 2018, 3, 1022-1030.	3.5	14
17	Menadione Suppresses Benzo(a)pyrene-Induced Activation of Cytochromes P450 1A: Insights into a Possible Molecular Mechanism. <i>PLoS ONE</i> , 2016, 11, e0155135.	2.5	14
18	Zebrafish GDNF and its co-receptor GFR $\alpha$ 1 activate the human RET receptor and promote the survival of dopaminergic neurons <i>in vitro</i> . <i>PLoS ONE</i> , 2017, 12, e0176166.	2.5	14

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19	Novel RET agonist for the treatment of experimental neuropathies. <i>Molecular Pain</i> , 2020, 16, 174480692095086.	2.1	12
20	Glial Cell Line-Derived Neurotrophic Factor Family Ligands, Players at the Interface of Neuroinflammation and Neuroprotection: Focus Onto the Glia. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 679034.	3.7	12
21	Rat hepatic CYP1A1 and CYP1A2 induction by menadione. <i>Toxicology Letters</i> , 2005, 155, 253-258.	0.8	10
22	A Novel Small Molecule Supports the Survival of Cultured Dopamine Neurons and May Restore the Dopaminergic Innervation of the Brain in the MPTP Mouse Model of Parkinson's Disease. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4337-4349.	3.5	10
23	PTPRA Phosphatase Regulates GDNF-Dependent RET Signaling and Inhibits the RET Mutant MEN2A Oncogenic Potential. <i>iScience</i> , 2020, 23, 100871.	4.1	10
24	Morphine-3-glucuronide causes antinociceptive cross-tolerance to morphine and increases spinal substance P expression. <i>European Journal of Pharmacology</i> , 2020, 875, 173021.	3.5	9
25	Small-molecule agonists of the RET receptor tyrosine kinase activate biased trophic signals that are influenced by the presence of GFR $\alpha$ 1 co-receptors. <i>Journal of Biological Chemistry</i> , 2020, 295, 6532-6542.	3.4	9
26	Dose- and Time-Dependent Effects of Menadione on Enzymes of Xenobiotic Metabolism in Rat Liver. <i>Bulletin of Experimental Biology and Medicine</i> , 2004, 137, 231-234.	0.8	8
27	Neuroprotective Potential of a Small Molecule RET Agonist in Cultured Dopamine Neurons and Hemiparkinsonian Rats. <i>Journal of Parkinson's Disease</i> , 2021, 11, 1023-1046.	2.8	8
28	Quercetin Attenuates Benzo(a)pyrene-induced CYP1A Expression. <i>Biomedical and Environmental Sciences</i> , 2017, 30, 308-313.	0.2	8
29	Inhibitory Effect of $\alpha$ -Tocopherol on Benzo(a)pyrene-Induced CYP1A Activity in Rat Liver. <i>Bulletin of Experimental Biology and Medicine</i> , 2005, 140, 517-520.	0.8	7
30	Small Molecules and Peptides Targeting Glial Cell Line-Derived Neurotrophic Factor Receptors for the Treatment of Neurodegeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6575.	4.1	7
31	Small-Molecule Ligands that Bind the RET Receptor Activate Neuroprotective Signals Independent of but Modulated by Coreceptor GFR $\alpha$ 1. <i>Molecular Pharmacology</i> , 2020, 98, 1-12.	2.3	6
32	Dose-dependent effect of alpha-tocopherol on activity of xenobiotic metabolizing enzymes in rat liver. <i>Bulletin of Experimental Biology and Medicine</i> , 2003, 136, 38-41.	0.8	5
33	Effect of cold stress on expression of genes for the AhR-dependent pathway of CYP1 regulation in rat liver. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 141, 315-318.	0.8	4
34	Transcriptional activation of cytochrome P450 1A1 with $\alpha$ -tocopherol. <i>Bulletin of Experimental Biology and Medicine</i> , 2004, 138, 233-236.	0.8	3
35	GDNF Receptor Agonist Alleviates Motor Imbalance in Unilateral 6-Hydroxydopamine Model of Parkinson's Disease. , 2020, 1, 100004.		1