Eugenia V Gurevich

List of Publications by Year
in descending order

45 papers	2,285 citations	331670 21 h-index	302126 39 g-index
46 all docs	46 docs citations	46 times ranked	2454 citing authors

#	Article	IF	Citations
1	G protein-coupled receptor kinases: More than just kinases and not only for GPCRs. , 2012, 133, 40-69.		368
2	GPCR Signaling Regulation: The Role of GRKs and Arrestins. Frontiers in Pharmacology, 2019, 10, 125.	3.5	358
3	Arrestins: ubiquitous regulators of cellular signaling pathways. Genome Biology, 2006, 7, 236.	9.6	243
4	Visual and Both Non-visual Arrestins in Their â€œInactiveâ€• Conformation Bind JNK3 and Mdm2 and Relocalize Them from the Nucleus to the Cytoplasm. Journal of Biological Chemistry, 2006, 281, 21491-21499.	3.4	124
5	G protein-coupled receptor kinases as regulators of dopamine receptor functions. Pharmacological Research, 2016, 111, 1-16.	7.1	100
6	Structural basis of arrestin-3 activation and signaling. Nature Communications, 2017, 8, 1427.	12.8	92
7	Silent Scaffolds. Journal of Biological Chemistry, 2012, 287, 19653-19664.	3.4	87
8	Biased GPCR signaling: Possible mechanisms and inherent limitations. , 2020, 211, 107540.		72
9	Therapeutic Potential of Small Molecules and Engineered Proteins. Handbook of Experimental Pharmacology, 2014, 219, 1-12.	1.8	70
10	Molecular Mechanisms of GPCR Signaling: A Structural Perspective. International Journal of Molecular Sciences, 2017, 18, 2519.	4.1	62
11	GPCRs and Signal Transducers: Interaction Stoichiometry. Trends in Pharmacological Sciences, 2018, 39, 672-684.	8.7	54
12	G Protein-coupled Receptor Kinases of the GRK4 Protein Subfamily Phosphorylate Inactive G Protein-coupled Receptors (GPCRs). Journal of Biological Chemistry, 2015, 290, 10775-10790.	3.4	53
13	Peptide mini-scaffold facilitates JNK3 activation in cells. Scientific Reports, 2016, 6, 21025.	3.3	50
14	Receptor-Arrestin Interactions: The GPCR Perspective. Biomolecules, 2021, 11, 218.	4.0	45
15	Arrestin-mediated signaling: Is there a controversy?. World Journal of Biological Chemistry, 2018, 9, 25-35.	4.3	41
16	Extensive shape shifting underlies functional versatility of arrestins. Current Opinion in Cell Biology, 2014, 27, 1-9.	5.4	40
17	Uncovering missing pieces: duplication and deletion history of arrestins in deuterostomes. BMC Evolutionary Biology, 2017, 17, 163.	3.2	39
18	Arrestins. Progress in Molecular Biology and Translational Science, 2015, 132, 1-14.	1.7	38

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19	Plethora of functions packed into 45ÂkDa arrestins: biological implications and possible therapeutic strategies. Cellular and Molecular Life Sciences, 2019, 76, 4413-4421.	5.4	37
20	The structural basis of the arrestin binding to GPCRs. Molecular and Cellular Endocrinology, 2019, 484, 34-41.	3.2	34
21	Arrestins regulate cell spreading and motility via focal adhesion dynamics. Molecular Biology of the Cell, 2015, 26, 622-635.	2.1	30
22	Structural basis of GPCR coupling to distinct signal transducers: implications for biased signaling. Trends in Biochemical Sciences, 2022, 47, 570-581.	7.5	27
23	Arrestins and G proteins in cellular signaling: The coin has two sides. Science Signaling, 2018, 11, .	3.6	24
24	Arrestins: structural disorder creates rich functionality. Protein and Cell, 2018, 9, 986-1003.	11.0	23
25	Analyzing the roles of multi-functional proteins in cells: The case of arrestins and GRKs. Critical Reviews in Biochemistry and Molecular Biology, 2015, 50, 440-52.	5.2	22
26	Mdm2 enhances ligase activity of parkin and facilitates mitophagy. Scientific Reports, 2020, 10, 5028.	3.3	17
27	GRK3 suppresses L-DOPA-induced dyskinesia in the rat model of Parkinsonâ€™s disease via its RGS homology domain. Scientific Reports, 2015, 5, 10920.	3.3	16
28	The finger loop as an activation sensor in arrestin. Journal of Neurochemistry, 2021, 157, 1138-1152.	3.9	15
29	Lysine in the lariat loop of arrestins does not serve as phosphate sensor. Journal of Neurochemistry, 2021, 156, 435-444.	3.9	14
30	GRKs as Modulators of Neurotransmitter Receptors. Cells, 2021, 10, 52.	4.1	14
31	Molecular Defects of the Disease-Causing Human Arrestin-1 C147F Mutant. , 2018, 59, 13.		13
32	Arrestinâ€3â€Dependent Activation of câ€Jun Nâ€Terminal Kinases (JNKs). Current Protocols in Pharmacology, 2015, 68, 2.12.1-2.12.26.	4.0	11
33	Non-visual arrestins regulate the focal adhesion formation via small GTPases RhoA and Rac1 independently of GPCRs. Cellular Signalling, 2018, 42, 259-269.	3.6	11
34	Enhanced Mutant Compensates for Defects in Rhodopsin Phosphorylation in the Presence of Endogenous Arrestin-1. Frontiers in Molecular Neuroscience, 2018, 11, 203.	2.9	11
35	Arrestin mutations: Some cause diseases, others promise cure. Progress in Molecular Biology and Translational Science, 2019, 161, 29-45.	1.7	10
36	Arrestins: Introducing Signaling Bias Into Multifunctional Proteins. Progress in Molecular Biology and Translational Science, 2018, 160, 47-61.	1.7	6

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37	Biological Role of Arrestin-1 Oligomerization. Journal of Neuroscience, 2020, 40, 8055-8069.	3.6	5
38	Using In Vitro Pull-Down and In-Cell Overexpression Assays to Study Protein Interactions with Arrestin. Methods in Molecular Biology, 2019, 1957, 107-120.	0.9	2
39	Targeting arrestin interactions with its partners for therapeutic purposes. Advances in Protein Chemistry and Structural Biology, 2020, 121, 169-197.	2.3	2
40	ARRESTINâ€DEPENDENT SUBCELLULAR REDISTRIBUTION OF SIGNALING PROTEINS. FASEB Journal, 2006, 20, A110.	0.5	2
41	Location, Location, Location: The Expression of D3 Dopamine Receptors in the Nervous System. Current Topics in Behavioral Neurosciences, 2022, , 29-45.	1.7	2
42	Unraveling the Mechanism of Dyskinesia One Transcription Factor at a Time. Biological Psychiatry, 2016, 79, 338-340.	1.3	1
43	Designer adhesion GPCR tells its signaling story. Nature Chemical Biology, 2020, 16, 1280-1281.	8.0	0
44	Silent scaffolds: inhibition of JNK3 activity in living cells by a dominantâ€negative arrestinâ€3 mutant. FASEB Journal, 2012, 26, 761.2.	0.5	0
45	Role of GRK6 in the addictive effect of psychostimulant drugs. FASEB Journal, 2013, 27, 659.14.	0.5	0