

Elena Kudryashova

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,806
citations

304743

22
h-index

302126

39
g-index

43
all docs

43
docs citations

43
times ranked

2566
citing authors

#	ARTICLE	IF	CITATIONS
1	Osteopontin promotes fibrosis in dystrophic mouse muscle by modulating immune cell subsets and intramuscular TGF- β 2. <i>Journal of Clinical Investigation</i> , 2009, 119, 1583-1594.	8.2	251
2	Trim32 is a Ubiquitin Ligase Mutated in Limb Girdle Muscular Dystrophy Type 2H that Binds to Skeletal Muscle Myosin and Ubiquitinates Actin. <i>Journal of Molecular Biology</i> , 2005, 354, 413-424.	4.2	178
3	Calpain 3 participates in sarcomere remodeling by acting upstream of the ubiquitin-proteasome pathway. <i>Human Molecular Genetics</i> , 2005, 14, 2125-2134.	2.9	127
4	Deficiency of the E3 ubiquitin ligase TRIM32 in mice leads to a myopathy with a neurogenic component. <i>Human Molecular Genetics</i> , 2009, 18, 1353-1367.	2.9	103
5	Satellite cell senescence underlies myopathy in a mouse model of limb-girdle muscular dystrophy 2H. <i>Journal of Clinical Investigation</i> , 2012, 122, 1764-1776.	8.2	99
6	Novel role of calpain-3 in the triad-associated protein complex regulating calcium release in skeletal muscle. <i>Human Molecular Genetics</i> , 2008, 17, 3271-3280.	2.9	87
7	Calpain 3 cleaves filamin C and regulates its ability to interact with β - and γ -sarcoglycans. <i>Muscle and Nerve</i> , 2003, 28, 472-483.	2.2	82
8	Human Defensins Facilitate Local Unfolding of Thermodynamically Unstable Regions of Bacterial Protein Toxins. <i>Immunity</i> , 2014, 41, 709-721.	14.3	71
9	Mitochondrial abnormalities, energy deficit and oxidative stress are features of calpain 3 deficiency in skeletal muscle. <i>Human Molecular Genetics</i> , 2009, 18, 3194-3205.	2.9	57
10	Regulation of the M-Cadherin- β 2-Catenin Complex by Calpain 3 during Terminal Stages of Myogenic Differentiation. <i>Molecular and Cellular Biology</i> , 2006, 26, 8437-8447.	2.3	55
11	Mdm muscular dystrophy: interactions with calpain 3 and a novel functional role for titin's N2A domain. <i>Human Molecular Genetics</i> , 2005, 14, 2801-2811.	2.9	50
12	Calcium binding is essential for plastin 3 function in Smn-deficient motoneurons. <i>Human Molecular Genetics</i> , 2014, 23, 1990-2004.	2.9	46
13	ACD toxin-produced actin oligomers poison formin-controlled actin polymerization. <i>Science</i> , 2015, 349, 535-539.	12.6	46
14	Identification of putative in vivo substrates of calpain 3 by comparative proteomics of overexpressing transgenic and nontransgenic mice. <i>Proteomics</i> , 2006, 6, 6075-6084.	2.2	45
15	The common missense mutation D489N in TRIM32 causing limb girdle muscular dystrophy 2H leads to loss of the mutated protein in knock-in mice resulting in a Trim32-null phenotype. <i>Human Molecular Genetics</i> , 2011, 20, 3925-3932.	2.9	40
16	The E3 ubiquitin ligase TRIM32 regulates myoblast proliferation by controlling turnover of NDRG2. <i>Human Molecular Genetics</i> , 2015, 24, 2873-2883.	2.9	38
17	Pathogenicity of some limb girdle muscular dystrophy mutations can result from reduced anchorage to myofibrils and altered stability of calpain 3. <i>Human Molecular Genetics</i> , 2011, 20, 3331-3345.	2.9	37
18	The Roles of Actin-Binding Domains 1 and 2 in the Calcium-Dependent Regulation of Actin Filament Bundling by Human Plastins. <i>Journal of Molecular Biology</i> , 2017, 429, 2490-2508.	4.2	37

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19	Limb-girdle muscular dystrophy 2H and the role of TRIM32. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2011, 101, 125-133.	1.8	35
20	Osteogenesis imperfecta mutations in plastin 3 lead to impaired calcium regulation of actin bundling. Bone Research, 2020, 8, 21.	11.4	32
21	Calpain activation impairs neuromuscular transmission in a mouse model of the slow-channel myasthenic syndrome. Journal of Clinical Investigation, 2007, 117, 2903-2912.	8.2	28
22	Thermodynamic properties of the effector domains of <scp>MARTX</scp> toxins suggest their unfolding for translocation across the host membrane. Molecular Microbiology, 2014, 92, 1056-1071.	2.5	27
23	Oligomerization Affects the Ability of Human Cyclase-Associated Proteins 1 and 2 to Promote Actin Severing by Cofilins. International Journal of Molecular Sciences, 2019, 20, 5647.	4.1	27
24	Targeting and inactivation of bacterial toxins by human defensins. Biological Chemistry, 2017, 398, 1069-1085.	2.5	22
25	Actin Cross-Linking Toxin Is a Universal Inhibitor of Tandem-Organized and Oligomeric G-Actin Binding Proteins. Current Biology, 2018, 28, 1536-1547.e9.	3.9	20
26	Structural Analysis of Human Cofilin 2/Filamentous Actin Assemblies: Atomic-Resolution Insights from Magic Angle Spinning NMR Spectroscopy. Scientific Reports, 2017, 7, 44506.	3.3	19
27	Inhibition of SARS-CoV-2 Infection by Human Defensin HNP1 and Retrocyclin RC-101. Journal of Molecular Biology, 2022, 434, 167225.	4.2	19
28	Glutamyl Phosphate Is an Activated Intermediate in Actin Crosslinking by Actin Crosslinking Domain (ACD) Toxin. PLoS ONE, 2012, 7, e45721.	2.5	14
29	Retrocyclins neutralize bacterial toxins by potentiating their unfolding. Biochemical Journal, 2015, 467, 311-320.	3.7	14
30	Intein-mediated cytoplasmic reconstitution of a split toxin enables selective cell ablation in mixed populations and tumor xenografts. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22090-22100.	7.1	11
31	Allosteric regulation controls actin-bundling properties of human plastins. Nature Structural and Molecular Biology, 2022, 29, 519-528.	8.2	11
32	Pathogenic Mechanisms of Actin Cross-Linking Toxins: Peeling Away the Layers. Current Topics in Microbiology and Immunology, 2016, 399, 87-112.	1.1	10
33	Thermodynamic instability of viral proteins is a pathogen-associated molecular pattern targeted by human defensins. Scientific Reports, 2016, 6, 32499.	3.3	10
34	Magic angle spinning NMR structure of human cofilin-2 assembled on actin filaments reveals isoform-specific conformation and binding mode. Nature Communications, 2022, 13, 2114.	12.8	9
35	Plastin 3 in X-Linked Osteoporosis: Imbalance of Ca ²⁺ -Dependent Regulation Is Equivalent to Protein Loss. Frontiers in Cell and Developmental Biology, 2020, 8, 635783.	3.7	7
36	Defensins versus pathogens: an unfolding story. Oncotarget, 2015, 6, 28533-28534.	1.8	7

#	ARTICLE	IF	CITATIONS
37	Rounding Out the Understanding of ACD Toxicity with the Discovery of Cyclic Forms of Actin Oligomers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 718.	4.1	6
38	Involvement of Smi1 in cell wall integrity and glucan synthase Bgs4 localization during fission yeast cytokinesis. <i>Molecular Biology of the Cell</i> , 2022, 33, mbcE21040214.	2.1	4
39	Phototaxis of <i>Photobacterium luminescens</i> TccC3 Toxin Targets the Dynamic Population of F-Actin and Impairs Cell Cortex Integrity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7026.	4.1	4
40	Investigations into the Structure and Intermolecular Interface of Human Cofilin-2 Assembled on Actin Filaments by Magic Angle Spinning NMR. <i>Biophysical Journal</i> , 2019, 116, 456a.	0.5	0