

Ari Elson

List of Publications by Year in descending order

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49
papers

2,392
citations

270111

25
h-index

252626

46
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all docs

49
docs citations

49
times ranked

2843
citing authors

#	ARTICLE	IF	CITATIONS
1	PTPRJ promotes osteoclast maturation and activity by inhibiting Cbl α -mediated ubiquitination of NFATc1 in late osteoclastogenesis. <i>FEBS Journal</i> , 2021, 288, 4702-4723.	2.2	7
2	Role of OSCAR Signaling in Osteoclastogenesis and Bone Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 641162.	1.8	31
3	An SNX10-dependent mechanism downregulates fusion between mature osteoclasts. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	11
4	Sorting Nexin 10 as a Key Regulator of Membrane Trafficking in Bone-Resorbing Osteoclasts: Lessons Learned From Osteopetrosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 671210.	1.8	7
5	Editorial: Developmental Biology and Regulation of Osteoclasts. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 769320.	1.8	0
6	Massive osteopetrosis caused by non-functional osteoclasts in R51Q SNX10 mutant mice. <i>Bone</i> , 2020, 136, 115360.	1.4	10
7	The roles of protein tyrosine phosphatases in bone-resorbing osteoclasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 114-123.	1.9	32
8	Kinetic Modeling of DUSP Regulation in Herceptin-Resistant HER2-Positive Breast Cancer. <i>Genes</i> , 2019, 10, 568.	1.0	2
9	Modelling the role of dual specificity phosphatases in herceptin resistant breast cancer cell lines. <i>Computational Biology and Chemistry</i> , 2019, 80, 138-146.	1.1	4
10	Protein tyrosine phosphatase alpha inhibits hypothalamic leptin receptor signaling and regulates body weight <i>in vivo</i> . <i>FASEB Journal</i> , 2019, 33, 5101-5111.	0.2	3
11	Phosphorylation of the phosphatase PTPROt at Tyr ³⁹⁹ is a molecular switch that controls osteoclast activity and bone mass <i>in vivo</i> . <i>Science Signaling</i> , 2019, 12, .	1.6	9
12	Stepping out of the shadows: Oncogenic and tumor-promoting protein tyrosine phosphatases. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 96, 135-147.	1.2	29
13	Regulation of dual specificity phosphatases in breast cancer during initial treatment with Herceptin: a Boolean model analysis. <i>BMC Systems Biology</i> , 2018, 12, 11.	3.0	9
14	Regulation of receptor-type protein tyrosine phosphatases by their C-terminal tail domains. <i>Biochemical Society Transactions</i> , 2016, 44, 1295-1303.	1.6	7
15	Production of Osteoclasts for Studying Protein Tyrosine Phosphatase Signaling. <i>Methods in Molecular Biology</i> , 2016, 1447, 283-300.	0.4	1
16	Receptor Protein Tyrosine Phosphatase α -Mediated Enhancement of Rheumatoid Synovial Fibroblast Signaling and Promotion of Arthritis in Mice. <i>Arthritis and Rheumatology</i> , 2016, 68, 359-369.	2.9	24
17	Metabolic regulation by protein tyrosine phosphatases. <i>Journal of Biomedical Research</i> , 2014, 28, 157-68.	0.7	11
18	Adaptor Protein GRB2 Promotes Src Tyrosine Kinase Activation and Podosomal Organization by Protein-tyrosine Phosphatase μ in Osteoclasts. <i>Journal of Biological Chemistry</i> , 2014, 289, 36048-36058.	1.6	28

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19	Protein tyrosine phosphatases $\hat{\mu}$ and $\hat{\pm}$ perform nonredundant roles in osteoclasts. <i>Molecular Biology of the Cell</i> , 2014, 25, 1808-1818.	0.9	15
20	Protein tyrosine phosphatases as novel targets in breast cancer therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2013, 1836, 211-226.	3.3	37
21	Protein tyrosine phosphatases in health and disease. <i>FEBS Journal</i> , 2013, 280, 708-730.	2.2	139
22	Epidermal Growth Factor Receptor (EGFR)-mediated Positive Feedback of Protein-tyrosine Phosphatase $\hat{\mu}$ (PTP $\hat{\mu}$) on ERK1/2 and AKT Protein Pathways Is Required for Survival of Human Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 3433-3444.	1.6	21
23	Expression Profiling during Mammary Epithelial Cell Three-Dimensional Morphogenesis Identifies PTPRO as a Novel Regulator of Morphogenesis and ErbB2-Mediated Transformation. <i>Molecular and Cellular Biology</i> , 2012, 32, 3913-3924.	1.1	34
24	Protein Tyrosine Phosphatase Epsilon Affects Body Weight by Downregulating Leptin Signaling in a Phosphorylation-Dependent Manner. <i>Cell Metabolism</i> , 2011, 13, 562-572.	7.2	59
25	Protein Tyrosine Phosphatase Epsilon Regulates Integrin-mediated Podosome Stability in Osteoclasts by Activating Src. <i>Molecular Biology of the Cell</i> , 2009, 20, 4324-4334.	0.9	53
26	Protein tyrosine phosphatase epsilon and Neu-induced mammary tumorigenesis. <i>Cancer and Metastasis Reviews</i> , 2008, 27, 193-203.	2.7	12
27	Protein tyrosine phosphatases in osteoclast differentiation, adhesion, and bone resorption. <i>European Journal of Cell Biology</i> , 2008, 87, 479-490.	1.6	33
28	Cytosolic Protein Tyrosine Phosphatase- $\hat{\mu}$ Is a Negative Regulator of Insulin Signaling in Skeletal Muscle. <i>Endocrinology</i> , 2008, 149, 605-614.	1.4	39
29	Association of Tyrosine Phosphatase Epsilon with Microtubules Inhibits Phosphatase Activity and Is Regulated by the Epidermal Growth Factor Receptor. <i>Molecular and Cellular Biology</i> , 2007, 27, 7102-7112.	1.1	31
30	Osteoclasts degrade endosteal components and promote mobilization of hematopoietic progenitor cells. <i>Nature Medicine</i> , 2006, 12, 657-664.	15.2	697
31	Tyrosine Phosphatases $\hat{\mu}$ and $\hat{\pm}$ Perform Specific and Overlapping Functions in Regulation of Voltage-gated Potassium Channels in Schwann Cells. <i>Molecular Biology of the Cell</i> , 2006, 17, 4330-4342.	0.9	27
32	Tyrosine Phosphatase Epsilon Is a Positive Regulator of Osteoclast Function in Vitro and In Vivo. <i>Molecular Biology of the Cell</i> , 2004, 15, 234-244.	0.9	82
33	Protein tyrosine phosphatase epsilon activates Yes and Fyn in Neu-induced mammary tumor cells. <i>Experimental Cell Research</i> , 2004, 294, 236-243.	1.2	35
34	Dimerization In Vivo and Inhibition of the Nonreceptor Form of Protein Tyrosine Phosphatase Epsilon. <i>Molecular and Cellular Biology</i> , 2003, 23, 5460-5471.	1.1	51
35	Phosphorylation-dependent Regulation of Kv2.1 Channel Activity at Tyrosine 124 by Src and by Protein-tyrosine Phosphatase $\hat{\mu}$. <i>Journal of Biological Chemistry</i> , 2003, 278, 17509-17514.	1.6	57
36	Tyrosine Phosphatase- $\hat{\mu}$ Activates Src and Supports the Transformed Phenotype of Neu-induced Mammary Tumor Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 15579-15586.	1.6	88

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37	Protein tyrosine phosphatase epsilon inhibits signaling by mitogen-activated protein kinases. <i>Molecular Cancer Research</i> , 2003, 1, 541-50.	1.5	37
38	Nuclear Localization of Non-receptor Protein Tyrosine Phosphatase $\hat{\mu}$ Is Regulated by Its Unique N-Terminal Domain. <i>Experimental Cell Research</i> , 2002, 281, 182-189.	1.2	18
39	Comparative study of protein tyrosine phosphatase-E isoforms: membrane localization confers specificity in cellular signalling. <i>Biochemical Journal</i> , 2001, 354, 581.	1.7	39
40	Comparative study of protein tyrosine phosphatase- $\hat{\epsilon}$ isoforms: membrane localization confers specificity in cellular signalling. <i>Biochemical Journal</i> , 2001, 354, 581-590.	1.7	59
41	Regulation of Protein-tyrosine Phosphatases $\hat{\mu}$ and $\hat{\epsilon}$ by Calpain-mediated Proteolytic Cleavage. <i>Journal of Biological Chemistry</i> , 2001, 276, 31772-31779.	1.6	62
42	Generation of novel cytoplasmic forms of protein tyrosine phosphatase epsilon by proteolytic processing and translational control. <i>Oncogene</i> , 2000, 19, 4375-4384.	2.6	60
43	The transmembranal and cytoplasmic forms of protein tyrosine phosphatase epsilon physically associate with the adaptor molecule Grb2. <i>Oncogene</i> , 1999, 18, 5024-5031.	2.6	28
44	Protein tyrosine phosphatase $\hat{\mu}$ increases the risk of mammary hyperplasia and mammary tumors in transgenic mice. <i>Oncogene</i> , 1999, 18, 7535-7542.	2.6	54
45	atm and p53 cooperate in apoptosis and suppression of tumorigenesis, but not in resistance to acute radiation toxicity. <i>Nature Genetics</i> , 1997, 16, 397-401.	9.4	216
46	Protein-tyrosine Phosphatase $\hat{\mu}$. <i>Journal of Biological Chemistry</i> , 1995, 270, 26116-26122.	1.6	79
47	Protein kinase C (PKC) level is increased in PC12 cells overexpressing transfected liver-type phosphofructokinase. <i>Biology of the Cell</i> , 1994, 81, 23-29.	0.7	5
48	cyt-PTPe. <i>The AFCS-nature Molecule Pages</i> , 0, , .	0.2	0
49	RPTPe. <i>The AFCS-nature Molecule Pages</i> , 0, , .	0.2	0