Lukas Balek

List of Publications by Year
in descending order

17	553	840776 11	940533 16
papers	citations	h-index	g-index

19	19	19	1121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mutations in GRK2 cause Jeune syndrome by impairing Hedgehog and canonical Wnt signaling. EMBO Molecular Medicine, 2020, 12, e11739.	6.9	16
2	Fibroblast growth factor receptor influences primary cilium length through an interaction with intestinal cell kinase. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4316-4325.	7.1	29
3	Computerâ€assisted engineering of hyperstable fibroblast growth factor 2. Biotechnology and Bioengineering, 2018, 115, 850-862.	3.3	49
4	Proteomic analyses of signalling complexes associated with receptor tyrosine kinase identify novel members of fibroblast growth factor receptor 3 interactome. Cellular Signalling, 2018, 42, 144-154.	3.6	14
5	The inositol phosphatase SHIP2 enables sustained ERK activation downstream of FGF receptors by recruiting Src kinases. Science Signaling, 2018, 11, .	3.6	14
6	Nanodiamonds as â€œartificial proteinsâ€• Regulation of a cell signalling system using low nanomolar solutions of inorganic nanocrystals. Biomaterials, 2018, 176, 106-121.	11.4	27
7	ARQ 087 inhibits FGFR signaling and rescues aberrant cell proliferation and differentiation in experimental models of craniosynostoses and chondrodysplasias caused by activating mutations in FGFR1, FGFR2 and FGFR3. Bone, 2017, 105, 57-66.	2.9	17
8	Inhibitor repurposing reveals ALK, LTK, FGFR, RET and TRK kinases as the targets of AZD1480. Oncotarget, 2017, 8, 109319-109331.	1.8	8
9	One reporter for in-cell activity profiling of majority of protein kinase oncogenes. ELife, 2017, 6, .	6.0	12
10	An inactivating mutation in intestinal cell kinase,ICK, impairs hedgehog signalling and causes short rib-polydactyly syndrome. Human Molecular Genetics, 2016, 25, 3998-4011.	2.9	44
11	Multikinase activity of fibroblast growth factor receptor (FGFR) inhibitors SU5402, PD173074, AZD1480, AZD4547 and BGJ398 compromises the use of small chemicals targeting FGFR catalytic activity for therapy of short-stature syndromes. Human Molecular Genetics, 2016, 25, 9-23.	2.9	55
12	Fibroblast growth factor and canonical WNT/Î²-catenin signaling cooperate in suppression of chondrocyte differentiation in experimental models of FGFR signaling in cartilage. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 839-850.	3.8	56
13	A novel variant of FGFR3 causes proportionate short stature. European Journal of Endocrinology, 2015, 172, 763-770.	3.7	38
14	Automated cell segmentation in phase-contrast images based on classification and region growing. , 2015, , .		2
15	Effect of <scp>FGFR</scp> inhibitors on chicken limb development. Development Growth and Differentiation, 2014, 56, 555-572.	1.5	8
16	Decrease in Abundance of Apurinic/Apyrimidinic Endonuclease Causes Failure of Base Excision Repair in Culture-Adapted Human Embryonic Stem Cells. Stem Cells, 2013, 31, 693-702.	3.2	22
17	Receptor Tyrosine Kinases Activate Canonical WNT/Î²-Catenin Signaling via MAP Kinase/LRP6 Pathway and Direct Î²-Catenin Phosphorylation. PLoS ONE, 2012, 7, e35826.	2.5	142