

# Lukas Balek

## List of Publications by Year in descending order

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17  
papers

553  
citations

840776

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940533

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19  
docs citations

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times ranked

1121  
citing authors

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