

# Jakub K Wlodarczyk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5874569/publications.pdf>

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8  
papers

283  
citations

1307594

7  
h-index

1474206

9  
g-index

10  
all docs

10  
docs citations

10  
times ranked

399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sampling issues in quantitative analysis of dendritic spines morphology. BMC Bioinformatics, 2012, 13, 213.	2.6	66
2	Matrix Metalloproteinases Regulate the Formation of Dendritic Spine Head Protrusions during Chemically Induced Long-Term Potentiation. PLoS ONE, 2013, 8, e63314.	2.5	63
3	Transient ECM protease activity promotes synaptic plasticity. Scientific Reports, 2016, 6, 27757.	3.3	53
4	Prophylactic Ketamine Treatment Promotes Resilience to Chronic Stress and Accelerates Recovery: Correlation with Changes in Synaptic Plasticity in the CA3 Subregion of the Hippocampus. International Journal of Molecular Sciences, 2019, 20, 1726.	4.1	36
5	2dSpAn: semiautomated 2-d segmentation, classification and analysis of hippocampal dendritic spine plasticity. Bioinformatics, 2016, 32, 2490-2498.	4.1	24
6	High energy density electrolytes for H <sub>2</sub> /Br <sub>2</sub> redox flow batteries, their polybromide composition and influence on battery cycling limits. RSC Advances, 2021, 11, 5218-5229.	3.6	17
7	Improvement of safe bromine electrolytes and their cell performance in H <sub>2</sub> /Br <sub>2</sub> flow batteries caused by tuning the bromine complexation equilibrium. Journal of Power Sources, 2022, 520, 230804.	7.8	10
8	Exploring the thermodynamics of the bromine electrode in concentrated solutions for improved parametrisation of hydrogenâ€“bromine flow battery models. Journal of Power Sources, 2021, 508, 230202.	7.8	6