

# Shaowei Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2281044/publications.pdf>

Version: 2024-02-01

11  
papers

304  
citations

933447

10  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis for enzymatic photocatalysis in chlorophyll biosynthesis. <i>Nature</i> , 2019, 574, 722-725.	27.8	88
2	Cellulose binding domain assisted immobilization of lipase (GSlip-CBD) onto cellulosic nanogel: characterization and application in organic medium. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 1042-1050.	5.0	42
3	Characterization of a cold-active esterase from <i>Serratia</i> sp. and improvement of thermostability by directed evolution. <i>BMC Biotechnology</i> , 2016, 16, 7.	3.3	39
4	A brain-permeable inhibitor of the neurodegenerative disease target kynurenine 3-monooxygenase prevents accumulation of neurotoxic metabolites. <i>Communications Biology</i> , 2019, 2, 271.	4.4	36
5	Photocatalysis as the "master switch"™ of photomorphogenesis in early plant development. <i>Nature Plants</i> , 2021, 7, 268-276.	9.3	22
6	Inflammation control and improvement of cognitive function in COVID-19 infections: is there a role for kynurenine 3-monooxygenase inhibition?. <i>Drug Discovery Today</i> , 2021, 26, 1473-1481.	6.4	20
7	GH52 xylosidase from <i>Geobacillus stearothermophilus</i> : characterization and introduction of xylanase activity by site-directed mutagenesis of Tyr509. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 65-74.	3.0	18
8	Dual role of the active site "lid"™ regions of protochlorophyllide oxidoreductase in photocatalysis and plant development. <i>FEBS Journal</i> , 2021, 288, 175-189.	4.7	15
9	Advantages of brain penetrating inhibitors of kynurenine-3-monooxygenase for treatment of neurodegenerative diseases. <i>Archives of Biochemistry and Biophysics</i> , 2021, 697, 108702.	3.0	12
10	Characterization of an L-phosphinothricin resistant glutamine synthetase from <i>Exiguobacterium</i> sp. and its improvement. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3653-3661.	3.6	10
11	An unusual light-sensing function for coenzyme B12 in bacterial transcription regulator CarH. <i>Methods in Enzymology</i> , 2022, 668, 349-372.	1.0	1