

Xiang

List of Publications by Year in descending order

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22
papers

1,081
citations

471509

17
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

1670
citing authors

#	ARTICLE	IF	CITATIONS
1	Toll-like Receptor 3 and Geographic Atrophy in Age-Related Macular Degeneration. <i>New England Journal of Medicine</i> , 2008, 359, 1456-1463.	27.0	209
2	Promoter polymorphism of the erythropoietin gene in severe diabetic eye and kidney complications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6998-7003.	7.1	184
3	An Examination of the Electrostatic Interactions between the N-Terminal Tail of the Brome Mosaic Virus Coat Protein and Encapsidated RNAs. <i>Journal of Molecular Biology</i> , 2012, 419, 284-300.	4.2	83
4	Direct electrochemistry and electrocatalysis of hemoglobin in poly-3-hydroxybutyrate membrane. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1836-1842.	10.1	70
5	Genetic association of LOXL1 gene variants and exfoliation glaucoma in a Utah cohort. <i>Cell Cycle</i> , 2008, 7, 521-524.	2.6	56
6	A third-generation hydrogen peroxide biosensor fabricated with hemoglobin and Triton X-100. <i>Sensors and Actuators B: Chemical</i> , 2005, 106, 284-288.	7.8	51
7	Physiochemical Properties of <i>Caulobacter crescentus</i> Holdfast: A Localized Bacterial Adhesive. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10492-10503.	2.6	51
8	The Tripartite Virions of the Brome Mosaic Virus Have Distinct Physical Properties That Affect the Timing of the Infection Process. <i>Journal of Virology</i> , 2014, 88, 6483-6491.	3.4	50
9	Chemical imaging of molecular changes in a hydrated single cell by dynamic secondary ion mass spectrometry and super-resolution microscopy. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 635-644.	1.3	48
10	A Highly Sensitive Nonenzymatic Glucose Biosensor Based on the Regulatory Effect of Glucose on Electrochemical Behaviors of Colloidal Silver Nanoparticles on MoS ₂ . <i>Sensors</i> , 2017, 17, 1807.	3.8	46
11	Further mapping of 10q26 supports strong association of HTRA1 polymorphisms with age-related macular degeneration. <i>Vision Research</i> , 2008, 48, 685-689.	1.4	44
12	Association of HTRA1 polymorphism and bilaterality in advanced age-related macular degeneration. <i>Vision Research</i> , 2008, 48, 690-694.	1.4	43
13	Two-dimensional and three-dimensional dynamic imaging of live biofilms in a microchannel by time-of-flight secondary ion mass spectrometry. <i>Biomicrofluidics</i> , 2015, 9, 031101.	2.4	36
14	Two coexisting liquid phases in switchable ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22627-22632.	2.8	23
15	Familial aggregation of age-related macular degeneration in the Utah population. <i>Vision Research</i> , 2008, 48, 494-500.	1.4	21
16	An approach to assay calcineurin activity and the inhibitory effect of zinc ion. <i>Analytical Biochemistry</i> , 2008, 375, 385-387.	2.4	20
17	The electron transfer reactivity of kaempferol and its interaction with amino acid residues. <i>Bioelectrochemistry</i> , 2008, 72, 169-173.	4.6	19
18	In Situ Atomic Force Microscopy Studies on Nucleation and Self-Assembly of Biogenic and Bio-Inspired Materials. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 158.	2.0	10

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19	Fusion of mApple and Venus fluorescent proteins to the Sindbis virus E2 protein leads to different cell-binding properties. <i>Virus Research</i> , 2013, 177, 138-146.	2.2	6
20	Electrochemical studies on polysorbate-20 (Tween 20)-entrapped haemoglobin and its application in a hydrogen peroxide biosensor. <i>Biotechnology and Applied Biochemistry</i> , 2005, 41, 279-282.	3.1	5
21	Electrochemistry and electrocatalytic properties of heme proteins incorporated in lipopolysaccharide films. <i>Journal of Analytical Chemistry</i> , 2006, 61, 669-672.	0.9	5
22	An Electrochemical Study of Myoglobin Entrapped in Three Kinds of Films. <i>Sensor Letters</i> , 2007, 5, 463-466.	0.4	1