

Kanchan Garai

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,310
citations

623734

14
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

2234
citing authors

#	ARTICLE	IF	CITATIONS
1	ApoE influences amyloid- β^2 ($A\beta^2$) clearance despite minimal apoE/ $A\beta^2$ association in physiological conditions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1807-16.	7.1	428
2	Unmasking the roles of N- and C-terminal flanking sequences from exon 1 of huntingtin as modulators of polyglutamine aggregation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20075-20080.	7.1	190
3	Quantitative analysis of the time course of $A\beta^2$ oligomerization and subsequent growth steps using tetramethylrhodamine-labeled $A\beta^2$. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3321-3326.	7.1	126
4	The Binding of Apolipoprotein E to Oligomers and Fibrils of Amyloid- β^2 Alters the Kinetics of Amyloid Aggregation. Biochemistry, 2014, 53, 6323-6331.	2.5	96
5	Structural differences between apoE3 and apoE4 may be useful in developing therapeutic agents for Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8913-8918.	7.1	90
6	Hydrogen/Deuterium Exchange and Electron-Transfer Dissociation Mass Spectrometry Determine the Interface and Dynamics of Apolipoprotein E Oligomerization. Biochemistry, 2011, 50, 9273-9282.	2.5	80
7	The Association/Dissociation Behavior of the ApoE Proteins: Kinetic and Equilibrium Studies. Biochemistry, 2010, 49, 9533-9541.	2.5	58
8	Dissociation of Apolipoprotein E Oligomers to Monomer Is Required for High-Affinity Binding to Phospholipid Vesicles. Biochemistry, 2011, 50, 2550-2558.	2.5	50
9	Detecting Amyloid- β^2 Aggregation with Fiber-Based Fluorescence Correlation Spectroscopy. Biophysical Journal, 2007, 92, L55-L57.	0.5	41
10	Expression and purification of amyloid- β^2 peptides from Escherichia coli. Protein Expression and Purification, 2009, 66, 107-112.	1.3	32
11	High-affinity multivalent interactions between apolipoprotein E and the oligomers of amyloid- β^2 . FEBS Journal, 2019, 286, 4737-4753.	4.7	25
12	Self-Association and Stability of the ApoE Isoforms at Low pH: Implications for ApoE-Lipid Interactions. Biochemistry, 2011, 50, 6356-6364.	2.5	23
13	Fiber-optic fluorescence correlation spectrometer. Applied Optics, 2006, 45, 7538.	2.1	20
14	Structural differences between apolipoprotein E3 and E4 as measured by ^{19}F NMR. Protein Science, 2010, 19, 66-74.	7.6	17
15	Quantitative Characterization of Metastability and Heterogeneity of Amyloid Aggregates. Biophysical Journal, 2018, 114, 800-811.	0.5	9
16	A Fluorescence Correlation Spectrometer for Measurements in Cuvettes. Biophysical Journal, 2018, 115, 455-466.	0.5	9
17	Hsp70 Inhibits Aggregation of IAPP by Binding to the Heterogeneous Prenucleation Oligomers. Biophysical Journal, 2021, 120, 476-488.	0.5	9
18	Apolipoprotein E4 exhibits intermediates with domain interaction. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140535.	2.3	6

#	ARTICLE	IF	CITATIONS
19	Building, Characterization, and Applications of Cuvette-FCS in Denaturant-Induced Expansion of Globular and Disordered Proteins. <i>Methods in Enzymology</i> , 2018, 611, 383-421.	1.0	1