

Mirco Sorci

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

629
citations

567281

15
h-index

580821

25
g-index

30
all docs

30
docs citations

30
times ranked

1035
citing authors

#	ARTICLE	IF	CITATIONS
1	Oriented chiral water wires in artificial transmembrane channels. <i>Science Advances</i> , 2018, 4, eaao5603.	10.3	69
2	A universal pathway for amyloid nucleus and precursor formation for insulin. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 74, 556-565.	2.6	68
3	Structure and Function in Antimicrobial Piscidins: Histidine Position, Directionality of Membrane Insertion, and pH-Dependent Permeabilization. <i>Journal of the American Chemical Society</i> , 2019, 141, 9837-9853.	13.7	60
4	Probing the Nucleus Model for Oligomer Formation during Insulin Amyloid Fibrillogenesis. <i>Biophysical Journal</i> , 2010, 99, 3979-3985.	0.5	53
5	Time-dependent insulin oligomer reaction pathway prior to fibril formation: Cooling and seeding. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 77, 62-73.	2.6	43
6	Oriented Covalent Immobilization of Antibodies for Measurement of Intermolecular Binding Forces between Zipper-Like Contact Surfaces of Split Inteins. <i>Analytical Chemistry</i> , 2013, 85, 6080-6088.	6.5	32
7	A2T and A2V A β peptides exhibit different aggregation kinetics, primary nucleation, morphology, structure, and LTP inhibition. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 488-500.	2.6	30
8	Detection of amyloid β oligomers toward early diagnosis of Alzheimer's disease. <i>Analytical Biochemistry</i> , 2019, 566, 40-45.	2.4	25
9	Highly Sensitive Immuno-CRISPR Assay for CXCL9 Detection. <i>Analytical Chemistry</i> , 2021, 93, 16528-16534.	6.5	25
10	Detection and structural characterization of insulin prefibrillar oligomers using surface enhanced Raman spectroscopy. <i>Biotechnology Progress</i> , 2014, 30, 488-495.	2.6	23
11	Atmospheric pressure plasma - ARGET ATRP modification of poly(ether sulfone) membranes: A combination attack. <i>Journal of Membrane Science</i> , 2018, 546, 151-157.	8.2	22
12	Isolating Toxic Insulin Amyloid Reactive Species that Lack β -Sheets and Have Wide pH Stability. <i>Biophysical Journal</i> , 2011, 100, 2792-2800.	0.5	21
13	A multi-dimensional approach for fractionating proteins using charged membranes. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1704-1713.	3.3	20
14	Preparation and characterization of a pH-responsive membrane carrier for meso-tetraphenylsulfonato porphyrin. <i>RSC Advances</i> , 2017, 7, 1687-1696.	3.6	19
15	Virucidal N95 Respirator Face Masks via Ultrathin Surface-Grafted Quaternary Ammonium Polymer Coatings. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25135-25146.	8.0	19
16	Detection and reduction of microaggregates in insulin preparations. <i>Biotechnology and Bioengineering</i> , 2011, 108, 237-241.	3.3	15
17	Linking microstructure of membranes and performance. <i>Journal of Membrane Science</i> , 2020, 594, 117419.	8.2	12
18	Accelerated insulin aggregation under alternating current electric fields: Relevance to amyloid kinetics. <i>Biomicrofluidics</i> , 2015, 9, 044123.	2.4	10

#	ARTICLE	IF	CITATIONS
19	Cell-free production of isobutanol: A completely immobilized system. <i>Bioresource Technology</i> , 2019, 294, 122104.	9.6	10
20	Characterisation of affinity membranes for IgG separation. <i>Desalination</i> , 2006, 199, 544-546.	8.2	9
21	Interactions of nuclear transport factors and surface-conjugated FG nucleoporins: Insights and limitations. <i>PLoS ONE</i> , 2019, 14, e0217897.	2.5	9
22	Optimization of Membrane Separation Processes for Protein Fractionation. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 5103-5109.	3.7	8
23	Organic solvent filtration by brush membranes: Permeability, selectivity and fouling correlate with degree of SET-LRP grafting. <i>Journal of Membrane Science</i> , 2021, 618, 118699.	8.2	8
24	Purification of galacto-specific lectins by affinity membranes. <i>Desalination</i> , 2006, 199, 550-552.	8.2	5
25	Protein Binding Kinetics in Multimodal Systems: Implications for Protein Separations. <i>Analytical Chemistry</i> , 2018, 90, 2609-2617.	6.5	5
26	Evaluating Nuclei Concentration in Amyloid Fibrillation Reactions Using Back-Calculation Approach. <i>PLoS ONE</i> , 2011, 6, e20072.	2.5	4
27	Production and Characterization of Recombinant Collagen-Binding Resilin Nanocomposite for Regenerative Medicine Applications. <i>Regenerative Engineering and Translational Medicine</i> , 2019, 5, 362-372.	2.9	3
28	A Simplified Predictive Tool for Design and Analysis of SET-LRP Reactions with Mechanistic Insight. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4924-4935.	4.4	2
29	Chimera-Induced Folding: Implications for Amyloidosis. <i>Biomacromolecules</i> , 2014, 15, 2992-3001.	5.4	0
30	Cover Image, Volume 84, Issue 4. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, C4-C4.	2.6	0