

Paolo Arosio

List of Publications by Year in descending order

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Version: 2024-02-01

315
papers

22,478
citations

9786

73
h-index

11607

135
g-index

326
all docs

326
docs citations

326
times ranked

20790
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Characterization and Quantification of Extracellular Vesicles by Fluorescence-Based Microfluidic Diffusion Sizing. <i>Advanced Healthcare Materials</i> , 2022, 11, e2100021.	7.6	13
2	Measuring of Antibody Lead Candidates with Dynamic Light. <i>Methods in Molecular Biology</i> , 2022, 2313, 241-258.	0.9	4
3	Programmable Zwitterionic Droplets as Biomolecular Sorters and Model of Membraneless Organelles. <i>Advanced Materials</i> , 2022, 34, e2104837.	21.0	14
4	Nucleation in Protein Aggregation in Biotherapeutic Development: A look into the Heart of the Event. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 951-959.	3.3	8
5	Double-Layer Fatty Acid Nanoparticles as a Multiplatform for Diagnostics and Therapy. <i>Nanomaterials</i> , 2022, 12, 205.	4.1	10
6	Modeling the Structure and Interactions of Intrinsically Disordered Peptides with Multiple Replica, Metadynamics-Based Sampling Methods and Force-Field Combinations. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 1915-1928.	5.3	7
7	How Xylenol Orange and Ferrous Ammonium Sulphate Influence the Dosimetric Properties of PVA-GTA Fricke Gel Dosimeters: A Spectrophotometric Study. <i>Gels</i> , 2022, 8, 204.	4.5	11
8	Biochemical, Biophysical and Functional Characterization of an Insoluble Iron Containing Hepcidin-Ferritin Chimeric Monomer Assembled Together with Human Ferritin H/L Chains at Different Molar Ratios. <i>Current Issues in Molecular Biology</i> , 2022, 44, 117-127.	2.4	0
9	Nanosized T1 MRI Contrast Agent Based on a Polyamidoamine as Multidentate Gd Ligand. <i>Molecules</i> , 2022, 27, 174.	3.8	3
10	Dynamic arrest and aging of biomolecular condensates are modulated by low-complexity domains, RNA and biochemical activity. <i>Nature Communications</i> , 2022, 13, .	12.8	35
11	Iron Mobilization from Ferritin in Yeast Cell Lysate and Physiological Implications. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6100.	4.1	7
12	Analysis of biomolecular condensates and protein phase separation with microfluidic technology. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118823.	4.1	33
13	NCOA4-mediated ferritinophagy promotes ferroptosis induced by erastin, but not by RSL3 in HeLa cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118913.	4.1	69
14	BMP6 binding to heparin and heparan sulfate is mediated by N-terminal and C-terminal clustered basic residues. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129799.	2.4	7
15	Isolation of extracellular vesicles from microalgae: towards the production of sustainable and natural nanocarriers of bioactive compounds. <i>Biomaterials Science</i> , 2021, 9, 2917-2930.	5.4	34
16	The role of surfaces on amyloid formation. <i>Biophysical Chemistry</i> , 2021, 270, 106533.	2.8	46
17	Machine Learning for Biologics: Opportunities for Protein Engineering, Developability, and Formulation. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 151-165.	8.7	94
18	Nanoalgosomes: Introducing extracellular vesicles produced by microalgae. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12081.	12.2	45

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19	Applications and Properties of Magnetic Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 1297.	4.1	5
20	Broad-Band Spectrum, High-Sensitivity Absorbance Spectroscopy in Picoliter Volumes. <i>Analytical Chemistry</i> , 2021, 93, 7673-7681.	6.5	15
21	H-ferritin suppression and pronounced mitochondrial respiration make Hepatocellular Carcinoma cells sensitive to RSL3-induced ferroptosis. <i>Free Radical Biology and Medicine</i> , 2021, 169, 294-303.	2.9	34
22	Hybrid Models Based on Machine Learning and an Increasing Degree of Process Knowledge: Application to Capture Chromatographic Step. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 10466-10478.	3.7	29
23	Iron distribution in different tissues of homozygous α -M2 (msk/msk) mice and the effects of oral iron treatments. <i>American Journal of Hematology</i> , 2021, 96, 1253-1263.	4.1	4
24	A Novel Approach for the Synthesis of Human Heteropolymer Ferritins of Different H to L Subunit Ratios. <i>Journal of Molecular Biology</i> , 2021, 433, 167198.	4.2	7
25	Modeling of Continuous PHA Production by a Hybrid Approach Based on First Principles and Machine Learning. <i>Processes</i> , 2021, 9, 1560.	2.8	13
26	Design of Biopharmaceutical Formulations Accelerated by Machine Learning. <i>Molecular Pharmaceutics</i> , 2021, 18, 3843-3853.	4.6	25
27	The binding of the small heat-shock protein α -B-crystallin to fibrils of α -synuclein is driven by entropic forces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
28	In-vitro and in-vivo characterization of CRANAD-2 for multi-spectral optoacoustic tomography and fluorescence imaging of amyloid-beta deposits in Alzheimer mice. <i>Photoacoustics</i> , 2021, 23, 100285.	7.8	32
29	Sequestration within biomolecular condensates inhibits $A\beta$ -42 amyloid formation. <i>Chemical Science</i> , 2021, 12, 4373-4382.	7.4	33
30	Management of transthyretin amyloidosis. <i>Swiss Medical Weekly</i> , 2021, 151, w30053.	1.6	7
31	Longitudinal and transverse NMR relaxivities of Ln(III)-DOTA complexes: A comprehensive investigation. <i>Journal of Chemical Physics</i> , 2021, 155, 214201.	3.0	4
32	Magnetic stimulation of gold fiducial markers used in Image-Guided Radiation Therapy: Evidences of hyperthermia effects. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 151, 107242.	5.0	4
33	Accelerated Aggregation Studies of Monoclonal Antibodies: Considerations for Storage Stability. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 595-602.	3.3	26
34	Synergistic effects of flow and interfaces on antibody aggregation. <i>Biotechnology and Bioengineering</i> , 2020, 117, 417-428.	3.3	34
35	A Nanoparticle-Based Assay To Evaluate Surface-Induced Antibody Instability. <i>Molecular Pharmaceutics</i> , 2020, 17, 909-918.	4.6	15
36	Cellular binding analysis of recombinant hybrid heteropolymer of camel hepcidin and human ferritin H chain. The unexpected human H-ferritin binding to J774 murine macrophage cells. <i>Molecular Biology Reports</i> , 2020, 47, 1265-1273.	2.3	2

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37	Adaptive Chemoenzymatic Microreactors Composed of Inorganic Nanoparticles and Bioinspired Intrinsically Disordered Proteins. <i>Angewandte Chemie</i> , 2020, 132, 8215-8219.	2.0	0
38	Acceleration of an Enzymatic Reaction in Liquid Phase Separated Compartments Based on Intrinsically Disordered Protein Domains. <i>ChemSystemsChem</i> , 2020, 2, e2000027.	2.6	25
39	An accelerated surface-mediated stress assay of antibody instability for developability studies. <i>MAbs</i> , 2020, 12, 1815995.	5.2	28
40	Coating Effect on the ^1H NMR Relaxation Properties of Iron Oxide Magnetic Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1660.	4.1	8
41	Thermodynamic and kinetic design principles for amyloid-aggregation inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24251-24257.	7.1	49
42	A Molecular Logic Gate Enables Single-Molecule Imaging and Tracking of Lipids in Intracellular Domains. <i>ACS Chemical Biology</i> , 2020, 15, 2597-2604.	3.4	11
43	Innentitelbild: Adaptive Chemoenzymatic Microreactors Composed of Inorganic Nanoparticles and Bioinspired Intrinsically Disordered Proteins (<i>Angew. Chem.</i> 21/2020). <i>Angewandte Chemie</i> , 2020, 132, 8046-8046.	2.0	0
44	Single Droplet Detection: A Counter Propagating Lens-Mirror System for Ultrahigh Throughput Single Droplet Detection (<i>Small</i> 20/2020). <i>Small</i> , 2020, 16, 2070112.	10.0	0
45	Ferritin in glioblastoma. <i>British Journal of Cancer</i> , 2020, 122, 1441-1444.	6.4	10
46	Adaptive Chemoenzymatic Microreactors Composed of Inorganic Nanoparticles and Bioinspired Intrinsically Disordered Proteins. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8138-8142.	13.8	18
47	Microfluidic Shrinking Droplet Concentrator for Analyte Detection and Phase Separation of Protein Solutions. <i>Analytical Chemistry</i> , 2020, 92, 5803-5812.	6.5	38
48	Thermodynamic and Kinetic Studies of the Interaction of Nuclear Receptor Coactivator-4 (NCOA4) with Human Ferritin. <i>Biochemistry</i> , 2020, 59, 2707-2717.	2.5	12
49	Acceleration of an Enzymatic Reaction in Liquid Phase Separated Compartments Based on Intrinsically Disordered Protein Domains. <i>ChemSystemsChem</i> , 2020, 2, e2000001.	2.6	38
50	Back Cover Image, Volume 117, Number 2, February 2020. <i>Biotechnology and Bioengineering</i> , 2020, 117, ii.	3.3	0
51	Pentosan polysulfate to control hepcidin expression in vitro and in vivo. <i>Biochemical Pharmacology</i> , 2020, 175, 113867.	4.4	10
52	Establishment of a scalable microfluidic assay for characterization of population-based neutrophil chemotaxis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1382-1393.	5.7	13
53	Relationship of PEG-induced precipitation with protein-protein interactions and aggregation rates of high concentration mAb formulations at 5 °C. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 151, 53-60.	4.3	13
54	Dynamics of oligomer populations formed during the aggregation of Alzheimer's A β 242 peptide. <i>Nature Chemistry</i> , 2020, 12, 445-451.	13.6	223

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55	A Counter Propagating Lens-Mirror System for Ultrahigh Throughput Single Droplet Detection. <i>Small</i> , 2020, 16, e1907534.	10.0	13
56	Hadron Therapy, Magnetic Nanoparticles and Hyperthermia: A Promising Combined Tool for Pancreatic Cancer Treatment. <i>Nanomaterials</i> , 2020, 10, 1919.	4.1	55
57	Elongated magnetic nanoparticles with high-aspect ratio: a nuclear relaxation and specific absorption rate investigation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18741-18752.	2.8	15
58	Mutant L-chain ferritins that cause neuroferritinopathy alter ferritin functionality and iron permeability. <i>Metallomics</i> , 2019, 11, 1635-1647.	2.4	18
59	Cell Membrane-Coated Magnetic Nanocubes with a Homotypic Targeting Ability Increase Intracellular Temperature due to ROS Scavenging and Act as a Versatile Theranostic System for Glioblastoma Multiforme. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900612.	7.6	36
60	Biodegradable zwitterionic nanoparticles with tunable UCST-type phase separation under physiological conditions. <i>Nanoscale</i> , 2019, 11, 16582-16591.	5.6	36
61	Hepatic heparan sulfate is a master regulator of hepcidin expression and iron homeostasis in human hepatocytes and mice. <i>Journal of Biological Chemistry</i> , 2019, 294, 13292-13303.	3.4	15
62	Design and site-directed compartmentalization of gold nanoclusters within the intrasubunit interfaces of ferritin nanocage. <i>Journal of Nanobiotechnology</i> , 2019, 17, 79.	9.1	16
63	Dynamics of Synthetic Membraneless Organelles in Microfluidic Droplets. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14489-14494.	13.8	53
64	Dynamics of Synthetic Membraneless Organelles in Microfluidic Droplets. <i>Angewandte Chemie</i> , 2019, 131, 14631-14636.	2.0	10
65	Multifunctional Nanovectors Based on Polyamidoamine Polymers for Theranostic Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 5020-5026.	0.9	6
66	The Antitumor Didox Acts as an Iron Chelator in Hepatocellular Carcinoma Cells. <i>Pharmaceuticals</i> , 2019, 12, 129.	3.8	8
67	Sensitivity analysis of the variability of amyloid aggregation profiles. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1435-1442.	2.8	12
68	Potential Role of H-Ferritin in Mitigating Valvular Mineralization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 413-431.	2.4	24
69	Scalable Production and Isolation of Extracellular Vesicles: Available Sources and Lessons from Current Industrial Bioprocesses. <i>Biotechnology Journal</i> , 2019, 14, e1800528.	3.5	80
70	Secondary nucleation and elongation occur at different sites on Alzheimer's amyloid- β aggregates. <i>Science Advances</i> , 2019, 5, eaau3112.	10.3	127
71	Ferritin exhibits Michaelis-Menten behavior with oxygen but not with iron during iron oxidation and core mineralization. <i>Metallomics</i> , 2019, 11, 774-783.	2.4	13
72	Ferritin Light Chain Confers Protection Against Sepsis-Induced Inflammation and Organ Injury. <i>Frontiers in Immunology</i> , 2019, 10, 131.	4.8	64

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73	Role of Zn ²⁺ Substitution on the Magnetic, Hyperthermic, and Relaxometric Properties of Cobalt Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6148-6157.	3.1	65
74	The role of heparin, heparanase and heparan sulfates in hepcidin regulation. <i>Vitamins and Hormones</i> , 2019, 110, 157-188.	1.7	11
75	Back Cover Picture: <i>Biotechnology Journal</i> 10/2019. <i>Biotechnology Journal</i> , 2019, 14, 1970104.	3.5	0
76	α-Synuclein in blood cells differentiates Parkinson's disease from healthy controls. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 2426-2436.	3.7	23
77	Iron as Therapeutic Target in Human Diseases. <i>Pharmaceuticals</i> , 2019, 12, 178.	3.8	3
78	A new catechol-functionalized polyamidoamine as an effective SPION stabilizer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 260-269.	5.0	9
79	In-gel study of the effect of magnetic nanoparticles immobilization on their heating efficiency for application in Magnetic Fluid Hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 504-512.	2.3	28
80	Dynamics and Control of Peptide Self-Assembly and Aggregation. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1174, 1-33.	1.6	6
81	Pat1 promotes processing body assembly by enhancing the phase separation of the DEAD-box ATPase Dhh1 and RNA. <i>ELife</i> , 2019, 8, .	6.0	50
82	On the use of superparamagnetic hydroxyapatite nanoparticles as an agent for magnetic and nuclear in vivo imaging. <i>Acta Biomaterialia</i> , 2018, 73, 458-469.	8.3	49
83	Microfluidic Approaches for the Characterization of Therapeutic Proteins. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 1228-1236.	3.3	36
84	Microfluidics for Protein Biophysics. <i>Journal of Molecular Biology</i> , 2018, 430, 565-580.	4.2	49
85	Microfluidic Diffusion Analysis of the Size Distribution and Microrheological Properties of Antibody Solutions at High Concentrations. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 7112-7120.	3.7	18
86	Sucrosomial® Iron Supplementation in Mice: Effects on Blood Parameters, Hepcidin, and Inflammation. <i>Nutrients</i> , 2018, 10, 1349.	4.1	22
87	Multifunctional Protein Materials and Microreactors using Low Complexity Domains as Molecular Adhesives. <i>ACS Nano</i> , 2018, 12, 9991-9999.	14.6	51
88	A hydrophobic low-complexity region regulates aggregation of the yeast pyruvate kinase Cdc19 into amyloid-like aggregates in vitro. <i>Journal of Biological Chemistry</i> , 2018, 293, 11424-11432.	3.4	22
89	Cooperative Assembly of Hsp70 Subdomain Clusters. <i>Biochemistry</i> , 2018, 57, 3641-3649.	2.5	13
90	Conjugation of a GM3 lactone mimetic on carbon nanotubes enhances the related inhibition of melanoma-associated metastatic events. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6086-6095.	2.8	8

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91	Conserved S/T Residues of the Human Chaperone DNAJB6 Are Required for Effective Inhibition of A β 242 Amyloid Fibril Formation. <i>Biochemistry</i> , 2018, 57, 4891-4902.	2.5	52
92	Engineering Aspects of Protein Interactions and Self-assembly. <i>Chimia</i> , 2018, 72, 304-308.	0.6	0
93	Mitochondrial ferritin deficiency reduces male fertility in mice. <i>Reproduction, Fertility and Development</i> , 2017, 29, 2005.	0.4	14
94	Inhibition of α -Synuclein Fibril Elongation by Hsp70 Is Governed by a Kinetic Binding Competition between α -Synuclein Species. <i>Biochemistry</i> , 2017, 56, 1177-1180.	2.5	47
95	Superparamagnetic iron oxide nanoparticles functionalized by peptide nucleic acids. <i>RSC Advances</i> , 2017, 7, 15500-15512.	3.6	43
96	Iron Oxidation and Core Formation in Recombinant Heteropolymeric Human Ferritins. <i>Biochemistry</i> , 2017, 56, 3900-3912.	2.5	48
97	Selective targeting of primary and secondary nucleation pathways in A β 242 aggregation using a rational antibody scanning method. <i>Science Advances</i> , 2017, 3, e1700488.	10.3	116
98	Phage display and kinetic selection of antibodies that specifically inhibit amyloid self-replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6444-6449.	7.1	60
99	Self-assembling peptide and protein amyloids: from structure to tailored function in nanotechnology. <i>Chemical Society Reviews</i> , 2017, 46, 4661-4708.	38.1	670
100	PEGylated Anionic Magnetofluorescent Nanoassemblies: Impact of Their Interface Structure on Magnetic Resonance Imaging Contrast and Cellular Uptake. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14242-14257.	8.0	13
101	Ferritin, cellular iron storage and regulation. <i>IUBMB Life</i> , 2017, 69, 414-422.	3.4	250
102	Systematic development of small molecules to inhibit specific microscopic steps of A β 242 aggregation in Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E200-E208.	7.1	180
103	Study of ferritin self-assembly and heteropolymer formation by the use of Fluorescence Resonance Energy Transfer (FRET) technology. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 522-532.	2.4	23
104	Production and characterization of functional recombinant hybrid heteropolymers of camel hepcidin and human ferritin H and L chains. <i>Protein Engineering, Design and Selection</i> , 2017, 30, 77-84.	2.1	8
105	Biophysical Aspects of Alzheimer's Disease: Implications for Pharmaceutical Sciences. <i>Pharmaceutical Research</i> , 2017, 34, 2628-2636.	3.5	1
106	Effect of chaotropes on the kinetics of iron release from ferritin by flavin nucleotides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3257-3262.	2.4	13
107	Mechanistic Origin of the Combined Effect of Surfaces and Mechanical Agitation on Amyloid Formation. <i>ACS Nano</i> , 2017, 11, 11358-11367.	14.6	53
108	Expression and characterization of the ferritin binding domain of Nuclear Receptor Coactivator-4 (NCOA4). <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2710-2716.	2.4	53

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109	Recombinant overexpression of camel hepcidin cDNA in <i>Pichia pastoris</i> : purification and characterization of the polyHis-tagged peptide Hepc-His. <i>Journal of Molecular Recognition</i> , 2017, 30, e2561.	2.1	5
110	Non-Anticoagulant Heparins Are Hepcidin Antagonists for the Treatment of Anemia. <i>Molecules</i> , 2017, 22, 598.	3.8	20
111	Iron Homeostasis in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2016, 17, 130.	4.1	274
112	Heparanase Overexpression Reduces Hepcidin Expression, Affects Iron Homeostasis and Alters the Response to Inflammation. <i>PLoS ONE</i> , 2016, 11, e0164183.	2.5	16
113	High Sulfation and a High Molecular Weight Are Important for Anti-hepcidin Activity of Heparin. <i>Frontiers in Pharmacology</i> , 2016, 6, 316.	3.5	15
114	Kinetic analysis reveals the diversity of microscopic mechanisms through which molecular chaperones suppress amyloid formation. <i>Nature Communications</i> , 2016, 7, 10948.	12.8	219
115	Structural Ensembles of Membrane-bound α -Synuclein Reveal the Molecular Determinants of Synaptic Vesicle Affinity. <i>Scientific Reports</i> , 2016, 6, 27125.	3.3	83
116	Energetics of surface confined ferritin during iron loading. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 520-525.	5.0	8
117	The S/T-Rich Motif in the DNAJB6 Chaperone Delays Polyglutamine Aggregation and the Onset of Disease in a Mouse Model. <i>Molecular Cell</i> , 2016, 62, 272-283.	9.7	140
118	SPIO@SiO ₂ @Re@PEG nanoparticles as magneto-optical dual probes and sensitizers for photodynamic therapy. <i>RSC Advances</i> , 2016, 6, 38521-38532.	3.6	9
119	Analysis of the length distribution of amyloid fibrils by centrifugal sedimentation. <i>Analytical Biochemistry</i> , 2016, 504, 7-13.	2.4	11
120	Insights on the (Auto)Photocatalysis of Ferritin. <i>Inorganic Chemistry</i> , 2016, 55, 6047-6050.	4.0	6
121	Particle-Based Monte-Carlo Simulations of Steady-State Mass Transport at Intermediate Peclet Numbers. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2016, 17, 175-183.	1.0	27
122	Photoacoustic molecular imaging for <i>in vivo</i> liver iron quantitation. <i>Journal of Biomedical Optics</i> , 2016, 21, 056008.	2.6	3
123	Pharmacological induction of ferritin prevents osteoblastic transformation of smooth muscle cells. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 217-230.	3.6	28
124	An anticancer drug suppresses the primary nucleation reaction that initiates the production of the toxic A β 42 aggregates linked with Alzheimer's disease. <i>Science Advances</i> , 2016, 2, e1501244.	10.3	180
125	Microfluidic Diffusion Viscometer for Rapid Analysis of Complex Solutions. <i>Analytical Chemistry</i> , 2016, 88, 3488-3493.	6.5	29
126	Molecular mechanisms of protein aggregation from global fitting of kinetic models. <i>Nature Protocols</i> , 2016, 11, 252-272.	12.0	546

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127	Microfluidic Diffusion Analysis of the Sizes and Interactions of Proteins under Native Solution Conditions. <i>ACS Nano</i> , 2016, 10, 333-341.	14.6	105
128	Chemically and Biologically Harmless versus Harmful Ferritin/Copper-Metallothionein Couples. <i>Chemistry - A European Journal</i> , 2015, 21, 808-813.	3.3	4
129	A multiscale view of therapeutic protein aggregation: A colloid science perspective. <i>Biotechnology Journal</i> , 2015, 10, 367-378.	3.5	65
130	Electron Spin Resonance and Atomic Force Microscopy Study on Gadolinium Doped Ceria. <i>Journal of Spectroscopy</i> , 2015, 2015, 1-6.	1.3	3
131	Contribution of Electrostatics in the Fibril Stability of a Model Ionic-Complementary Peptide. <i>Biomacromolecules</i> , 2015, 16, 3792-3801.	5.4	15
132	The importance of eukaryotic ferritins in iron handling and cytoprotection. <i>Biochemical Journal</i> , 2015, 472, 1-15.	3.7	79
133	A molecular chaperone breaks the catalytic cycle that generates toxic A β oligomers. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 207-213.	8.2	373
134	On the lag phase in amyloid fibril formation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7606-7618.	2.8	590
135	Expression of iron homeostasis proteins in the spinal cord in experimental autoimmune encephalomyelitis and their implications for iron accumulation. <i>Neurobiology of Disease</i> , 2015, 81, 93-107.	4.4	62
136	The importance of iron in pathophysiologic conditions. <i>Frontiers in Pharmacology</i> , 2015, 6, 26.	3.5	24
137	A Colloidal Description of Intermolecular Interactions Driving Fibril-Fibril Aggregation of a Model Amphiphilic Peptide. <i>Langmuir</i> , 2015, 31, 7590-7600.	3.5	16
138	Preventing peptide and protein misbehavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5267-5268.	7.1	7
139	Macrophage and epithelial cell H-ferritin expression regulates renal inflammation. <i>Kidney International</i> , 2015, 88, 95-108.	5.2	77
140	The Ferritin-Heavy-Polypeptide-Like-17 (FTHL17) gene encodes a ferritin with low stability and no ferroxidase activity and with a partial nuclear localization. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1267-1273.	2.4	19
141	MR imaging and targeting of human breast cancer cells with folate decorated nanoparticles. <i>RSC Advances</i> , 2015, 5, 39760-39770.	3.6	12
142	Effect of polyol sugars on the stabilization of monoclonal antibodies. <i>Biophysical Chemistry</i> , 2015, 197, 40-46.	2.8	34
143	Local spin dynamics at low temperature in the slowly relaxing molecular chain [Dy(hfac) ₃ {NIT(C ₆ H ₄ OPh)}]: A 1/4-spin relaxation study. <i>Journal of Applied Physics</i> , 2015, 117, 17B310.	2.5	2
144	Dynamics of protein aggregation and oligomer formation governed by secondary nucleation. <i>Journal of Chemical Physics</i> , 2015, 143, 054901.	3.0	41

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145	Biophysical approaches for the study of interactions between molecular chaperones and protein aggregates. <i>Chemical Communications</i> , 2015, 51, 14425-14434.	4.1	18
146	A microfluidic platform for quantitative measurements of effective protein charges and single ion binding in solution. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12161-12167.	2.8	18
147	Latent analysis of unmodified biomolecules and their complexes in solution with attomole detection sensitivity. <i>Nature Chemistry</i> , 2015, 7, 802-809.	13.6	56
148	Sol-gel transition of charged fibrils composed of a model amphiphilic peptide. <i>Journal of Colloid and Interface Science</i> , 2015, 437, 244-251.	9.4	21
149	Behavioral Characterization of Mouse Models of Neuroferritinopathy. <i>PLoS ONE</i> , 2015, 10, e0118990.	2.5	20
150	Novel Functional Changes during Podocyte Differentiation: Increase of Oxidative Resistance and H-Ferritin Expression. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-11.	4.0	10
151	Iron Acquisition in <i>Bacillus cereus</i> : The Roles of IIsA and Bacillibactin in Exogenous Ferritin Iron Mobilization. <i>PLoS Pathogens</i> , 2014, 10, e1003935.	4.7	35
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