

# Sandra Rocha

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

3,925  
citations

331538

21  
h-index

168321

53  
g-index

57  
all docs

57  
docs citations

57  
times ranked

7178  
citing authors

#	ARTICLE	IF	CITATIONS
1	C-terminal truncation of $\alpha$ -synuclein alters DNA structure from extension to compaction. Biochemical and Biophysical Research Communications, 2021, 568, 43-47.	1.0	6
2	Orientation of $\alpha$ -Synuclein at Negatively Charged Lipid Vesicles: Linear Dichroism Reveals Time-Dependent Changes in Helix Binding Mode. Journal of the American Chemical Society, 2021, 143, 18899-18906.	6.6	8
3	Michler's hydrolysis elucidates structural differences in prion strains. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29677-29683.	3.3	2
4	Amyloid formation of fish $\beta$ -parvalbumin involves primary nucleation triggered by disulfide-bridged protein dimers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27997-28004.	3.3	15
5	Single-vesicle imaging reveals lipid-selective and stepwise membrane disruption by monomeric $\alpha$ -synuclein. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14178-14186.	3.3	49
6	Synaptic vesicle mimics affect the aggregation of wild-type and A53T $\alpha$ -synuclein variants differently albeit similar membrane affinity. Protein Engineering, Design and Selection, 2019, 32, 59-66.	1.0	6
7	Membrane-Protein Hydration Interaction of $\alpha$ -Synuclein with Anionic Vesicles Probed via Angle-Resolved Second-Harmonic Scattering. Journal of Physical Chemistry B, 2019, 123, 1044-1049.	1.2	10
8	Flow Alignment of Extracellular Vesicles: Structure and Orientation of Membrane-Associated Bio-macromolecules Studied with Polarized Light. ChemBioChem, 2018, 19, 545-551.	1.3	14
9	Alpha-Synuclein Modulates the Physical Properties of DNA. Chemistry - A European Journal, 2018, 24, 15685-15690.	1.7	29
10	In Vitro Analysis of $\alpha$ -Synuclein Amyloid Formation and Cross-Reactivity. Methods in Molecular Biology, 2018, 1779, 73-83.	0.4	5
11	Lipid membranes catalyse the fibril formation of the amyloid- $\beta$ (1-42) peptide through lipid-fibril interactions that reinforce secondary pathways. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1921-1929.	1.4	90
12	Unraveling amyloid formation paths of Parkinson's disease protein $\alpha$ -synuclein triggered by anionic vesicles. Quarterly Reviews of Biophysics, 2017, 50, e3.	2.4	21
13	Bayesian Analysis of MicroScale Thermophoresis Data to Quantify Affinity of Protein:Protein Interactions with Human Survivin. Scientific Reports, 2017, 7, 16816.	1.6	7
14	Disease-causing point-mutations in metal-binding domains of Wilson disease protein decrease stability and increase structural dynamics. BioMetals, 2017, 30, 27-35.	1.8	13
15	A stretched conformation of DNA with a biological role?. Quarterly Reviews of Biophysics, 2017, 50, e11.	2.4	17
16	Gut Microbiota Regulate Motor Deficits and Neuroinflammation in a Model of Parkinson's Disease. Cell, 2016, 167, 1469-1480.e12.	13.5	2,399
17	Cellular uptake of PLGA nanoparticles targeted with anti-amyloid and anti-transferrin receptor antibodies for Alzheimer's disease treatment. Colloids and Surfaces B: Biointerfaces, 2016, 145, 8-13.	2.5	140
18	Probing Microscopic Orientation in Membranes by Linear Dichroism. Langmuir, 2016, 32, 2841-2846.	1.6	12

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19	Immunoliposomes doubly targeted to transferrin receptor and to $\beta$ -synuclein. <i>Future Science OA</i> , 2015, 1, FSO71.	0.9	18
20	Dual ligand immunoliposomes for drug delivery to the brain. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 213-219.	2.5	52
21	Synthesis and study of the complex formation of a cationic alkyl-chain bola amino alcohol with DNA: in vitro transfection efficiency. <i>Colloid and Polymer Science</i> , 2015, 293, 3167-3175.	1.0	7
22	Enhancing Proteasome-Inhibitor Effect by Functionalized Gold Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 717-723.	0.5	13
23	Enhanced Cellular Uptake of Antisecretory Peptide AF-16 through Proteoglycan Binding. <i>Biochemistry</i> , 2014, 53, 6566-6573.	1.2	4
24	Orientation of aromatic residues in amyloid cores: Structural insights into prion fiber diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17158-17163.	3.3	12
25	Fluorinated beta-sheet breaker peptides. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2259-2264.	2.9	44
26	Shear-Induced Membrane Fusion in Viscous Solutions. <i>Langmuir</i> , 2014, 30, 4875-4878.	1.6	16
27	Encapsulation of a proteasome inhibitor with gold-polysaccharide nanocarriers. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	2
28	Targeting nanoparticles across the blood-brain barrier with monoclonal antibodies. <i>Nanomedicine</i> , 2014, 9, 709-722.	1.7	79
29	Pyranoflavylum Derivatives Extracted from Wine Grape as Photosensitizers in Solar Cells. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	5
30	Carbon-core silver-shell nanodots as sensitizers for phototherapy and radiotherapy. <i>Nanotechnology</i> , 2013, 24, 325103.	1.3	77
31	Functionalized gold nanoparticles for drug delivery. , 2013, , .		0
32	Charged surfactants induce a non-fibrillar aggregation pathway of amyloid-beta peptide. <i>Journal of Peptide Science</i> , 2013, 19, 581-587.	0.8	21
33	Gold nanoparticle delivery-enhanced proteasome inhibitor effect in adenocarcinoma cells. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 1345-1352.	2.4	26
34	The effect of a fluorinated cholesterol derivative on the stability and physical properties of cationic DNA vectors. <i>Soft Matter</i> , 2013, 9, 401-409.	1.2	16
35	Immunoliposomes for Alzheimer's disease therapy. , 2013, , .		1
36	Chitosan conjugates for DNA delivery. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11893.	1.3	16

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37	Langmuir Monolayers of Monocationic Lipid Mixed with Cholesterol or Fluorocholesterol: DNA Adsorption Studies. <i>Langmuir</i> , 2013, 29, 1920-1925.	1.6	12
38	Targeted Drug Delivery Across the Blood Brain Barrier in Alzheimer's Disease. <i>Current Pharmaceutical Design</i> , 2013, 19, 6635-6646.	0.9	34
39	Carbohydrate particles as protein carriers and scaffolds: physico-chemical characterization and collagen stability. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	8
40	Delivery of biomolecules by functionalized inorganic nanoparticles. , 2012, , .		1
41	Peptide-surfactant interactions: Consequences for the amyloid-beta structure. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 136-140.	1.0	21
42	Design of potential therapeutic peptides and carriers to inhibit amyloid $\beta$ ; peptide aggregation. , 2012, , .		3
43	Epigallocatechin gallate-loaded polysaccharide nanoparticles for prostate cancer chemoprevention. <i>Nanomedicine</i> , 2011, 6, 79-87.	1.7	108
44	Nanostructure of polysaccharide complexes. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 450-455.	5.0	34
45	Changes in PLA2 activity after interacting with anti-inflammatory drugs and model membranes: evidence for the involvement of tryptophan residues. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 292-299.	1.5	14
46	Preservation of catechin antioxidant properties loaded in carbohydrate nanoparticles. <i>Carbohydrate Polymers</i> , 2011, 86, 147-153.	5.1	75
47	A biophysical approach to phospholipase A2 activity and inhibition by anti-inflammatory drugs. <i>Biophysical Chemistry</i> , 2010, 152, 109-117.	1.5	13
48	Lipid/particle assemblies based on maltodextrin-gum arabic core as bio-carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 449-455.	2.5	43
49	NMR structural analysis of epigallocatechin gallate loaded polysaccharide nanoparticles. <i>Carbohydrate Polymers</i> , 2010, 82, 861-866.	5.1	30
50	Adsorption and Diffusion of Plasma Proteins on Hydrophilic and Hydrophobic Surfaces: Effect of Trifluoroethanol on Protein Structure. <i>Langmuir</i> , 2009, 25, 9879-9886.	1.6	52
51	Design and biological activity of $\beta$ -sheet breaker peptide conjugates. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 397-401.	1.0	45
52	The conformation of fusogenic B18 peptide in surfactant solutions. <i>Journal of Peptide Science</i> , 2008, 14, 436-441.	0.8	10
53	Influence of fluorinated and hydrogenated nanoparticles on the structure and fibrillogenesis of amyloid beta-peptide. <i>Biophysical Chemistry</i> , 2008, 137, 35-42.	1.5	106
54	Adsorption of the Fusogenic Peptide B18 onto Solid Surfaces: Insights into the Mechanism of Peptide Assembly. <i>Langmuir</i> , 2007, 23, 5022-5028.	1.6	9

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55	Adsorption of Amyloid $\beta$ -Peptide at Polymer Surfaces: A Neutron Reflectivity Study. ChemPhysChem, 2005, 6, 2527-2534.	1.0	39
56	The Conformation of B18 Peptide in the Presence of Fluorinated and Alkylated Nanoparticles. ChemBioChem, 2005, 6, 280-283.	1.3	13
57	Abnormal NK Cell Lymphocytosis Detected after Splenectomy: Association with Repeated Infections, Relapsing Neutropenia, and Persistent Polyclonal B-Cell Proliferation. International Journal of Hematology, 2002, 75, 484-488.	0.7	3