

# Isabella Tessari

## List of Publications by Year in descending order

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citations

304368

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#	ARTICLE	IF	CITATIONS
1	The Roc domain of LRRK2 as a hub for protein-protein interactions: a focus on PAK6 and its impact on RAB phosphorylation. <i>Brain Research</i> , 2022, 1778, 147781.	1.1	7
2	Extracellular clusterin limits the uptake of $\alpha$ -synuclein fibrils by murine and human astrocytes. <i>Glia</i> , 2021, 69, 681-696.	2.5	32
3	Parkinson's Disease-Associated LRRK2 Interferes with Astrocyte-Mediated Alpha-Synuclein Clearance. <i>Molecular Neurobiology</i> , 2021, 58, 3119-3140.	1.9	54
4	Fibrils of $\alpha$ -Synuclein Abolish the Affinity of $\text{Cu}^{2+}$ -Binding Site to His50 and Induce Hopping of $\text{Cu}^{2+}$ Ions in the Termini. <i>Inorganic Chemistry</i> , 2019, 58, 10920-10927.	1.9	12
5	Determination of ATP, ADP, and AMP Levels by Reversed-Phase High-Performance Liquid Chromatography in Cultured Cells. <i>Methods in Molecular Biology</i> , 2019, 1925, 223-232.	0.4	20
6	Transcriptome analysis of LRRK2 knock-out microglia cells reveals alterations of inflammatory- and oxidative stress-related pathways upon treatment with $\alpha$ -synuclein fibrils. <i>Neurobiology of Disease</i> , 2019, 129, 67-78.	2.1	53
7	Synapsin III is a key component of $\alpha$ -synuclein fibrils in Lewy bodies of PD brains. <i>Brain Pathology</i> , 2018, 28, 875-888.	2.1	37
8	Pressure effects on $\alpha$ -synuclein amyloid fibrils: An experimental investigation on their dissociation and reversible nature. <i>Archives of Biochemistry and Biophysics</i> , 2017, 627, 46-55.	1.4	11
9	High-Pressure-Driven Reversible Dissociation of $\alpha$ -Synuclein Fibrils Reveals Structural Hierarchy. <i>Biophysical Journal</i> , 2017, 113, 1685-1696.	0.2	16
10	$\alpha$ -Synuclein Dimers Impair Vesicle Fission during Clathrin-Mediated Synaptic Vesicle Recycling. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 388.	1.8	34
11	PAK6 Phosphorylates 14-3-3 $\beta$ to Regulate Steady State Phosphorylation of LRRK2. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 417.	1.4	46
12	Effects of Trehalose on Thermodynamic Properties of Alpha-synuclein Revealed through Synchrotron Radiation Circular Dichroism. <i>Biomolecules</i> , 2015, 5, 724-734.	1.8	26
13	Peptides as Modulators of $\alpha$ -Synuclein Aggregation. <i>Protein and Peptide Letters</i> , 2015, 22, 354-361.	0.4	7
14	Interactions of metal ions with $\alpha$ synuclein and amyloid $\beta$ peptides. , 2014, , .		0
15	DJ-1 Is a Copper Chaperone Acting on SOD1 Activation. <i>Journal of Biological Chemistry</i> , 2014, 289, 10887-10899.	1.6	76
16	The chaperone-like protein 14-3-3 $\beta$ interacts with human $\alpha$ -synuclein aggregation intermediates rerouting the amyloidogenic pathway and reducing $\alpha$ -synuclein cellular toxicity. <i>Human Molecular Genetics</i> , 2014, 23, 5615-5629.	1.4	56
17	Copper(I)- $\alpha$ -Synuclein Interaction: Structural Description of Two Independent and Competing Metal Binding Sites. <i>Inorganic Chemistry</i> , 2013, 52, 1358-1367.	1.9	58
18	Small molecules interacting with $\alpha$ -synuclein: antiaggregating and cytoprotective properties. <i>Amino Acids</i> , 2013, 45, 327-338.	1.2	52

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19	Triggering of Inflammasome by Aggregated $\alpha$ -Synuclein, an Inflammatory Response in Synucleinopathies. PLoS ONE, 2013, 8, e55375.	1.1	465
20	Dopamine-derived Quinones Affect the Structure of the Redox Sensor DJ-1 through Modifications at Cys-106 and Cys-53. Journal of Biological Chemistry, 2012, 287, 18738-18749.	1.6	61
21	Alpha-synuclein pore forming activity upon membrane association. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2876-2883.	1.4	86
22	Worm-Like Ising Model for Protein Mechanical Unfolding under the Effect of Osmolytes. Biophysical Journal, 2012, 102, 342-350.	0.2	13
23	Single-Molecule Force Spectroscopy of Chimeric Polyprotein Constructs Containing Intrinsically Disordered Domains. , 2012, 896, 47-56.		5
24	Covalent $\alpha$ -Synuclein Dimers: Chemico-Physical and Aggregation Properties. PLoS ONE, 2012, 7, e50027.	1.1	35
25	Observing the osmophobic effect in action at the single molecule level. Proteins: Structure, Function and Bioinformatics, 2011, 79, 2214-2223.	1.5	15
26	Single-Molecule Level Evidence for the Osmophobic Effect. Angewandte Chemie - International Edition, 2011, 50, 4394-4397.	7.2	25
27	Dopamine quinones interact with $\alpha$ -synuclein to form unstructured adducts. Biochemical and Biophysical Research Communications, 2010, 394, 424-428.	1.0	83
28	Pathogenic Mutations Shift the Equilibria of $\alpha$ -Synuclein Single Molecules towards Structured Conformers. ChemBioChem, 2009, 10, 176-183.	1.3	71
29	Interaction Between $\alpha$ -Synuclein and Metal Ions, Still Looking for a Role in the Pathogenesis of Parkinson's Disease. NeuroMolecular Medicine, 2009, 11, 239-251.	1.8	64
30	Conformational Equilibria in Monomeric $\alpha$ -Synuclein at the Single-Molecule Level. PLoS Biology, 2008, 6, e6.	2.6	181
31	Broken Helix in Vesicle and Micelle-Bound $\alpha$ -Synuclein: Insights from Site-Directed Spin Labeling-EPR Experiments and MD Simulations. Journal of the American Chemical Society, 2008, 130, 6690-6691.	6.6	69
32	The Reaction of $\alpha$ -Synuclein with Tyrosinase. Journal of Biological Chemistry, 2008, 283, 16808-16817.	1.6	116
33	A Topological Model of the Interaction between $\alpha$ -Synuclein and Sodium Dodecyl Sulfate Micelles. Biochemistry, 2005, 44, 329-339.	1.2	112
34	Cloning, expression, purification, and spectroscopic analysis of the fragment 57-102 of human $\alpha$ -synuclein. Protein Expression and Purification, 2005, 39, 90-96.	0.6	8