Nicola Rosato

List of Publications by Year
in descending order

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62 papers	2,126 citations	257450 24 h-index	233421 45 g-index
62 all docs	62 docs citations	62 times ranked	3269 citing authors

#	Article	IF	Citations
1	PEG-Modified Carbon Nanotubes in Biomedicine: Current Status and Challenges Ahead. Biomacromolecules, 2011, 12, 3381-3393.	5.4	194
2	Surface Polyethylene Glycol Conformation Influences the Protein Corona of Polyethylene Glycol-Modified Single-Walled Carbon Nanotubes: Potential Implications on Biological Performance. ACS Nano, 2013, 7, 1974-1989.	14.6	189
3	The importance of being dimeric. FEBS Journal, 2004, 272, 16-27.	4.7	98
4	Transcranial Doppler and Near-Infrared Spectroscopy Can Evaluate the Hemodynamic Effect of Carotid Artery Occlusion. Stroke, 2004, 35, 64-70.	2.0	97
5	Full-Length Single-Walled Carbon Nanotubes Decorated with Streptavidin-Conjugated Quantum Dots as Multivalent Intracellular Fluorescent Nanoprobes. Biomacromolecules, 2006, 7, 2259-2263.	5.4	89
6	Structural Flexibility Modulates the Activity of Human Glutathione Transferase P1-1. Journal of Biological Chemistry, 1996, 271, 16187-16192.	3.4	84
7	In Vivo Targeting of Intratumor Regulatory T Cells Using PEG-Modified Single-Walled Carbon Nanotubes. Bioconjugate Chemistry, 2013, 24, 852-858.	3.6	81
8	Opposite Effects of Ca2+ and GTP Binding on Tissue Transglutaminase Tertiary Structure. Journal of Biological Chemistry, 2000, 275, 3915-3921.	3.4	79
9	Polyethylene-Glycol-Modified Single-Walled Carbon Nanotubes for Intra-Articular Delivery to Chondrocytes. ACS Nano, 2014, 8, 12280-12291.	14.6	71
10	Denaturation of human copper-zinc superoxide dismutase by guanidine hydrochloride: a dynamic fluorescence study. Biochemistry, 1992, 31, 7224-7230.	2.5	69
11	Coreâ€“Satellite Nanomedicines for in Vivo Real-Time Monitoring of Enzyme-Activatable Drug Release by Fluorescence and Photoacoustic Dual-Modal Imaging. ACS Nano, 2019, 13, 176-186.	14.6	67
12	Conjugation of Antisense Oligonucleotides to PEGylated Carbon Nanotubes Enables Efficient Knockdown of PTPN22 in T Lymphocytes. Bioconjugate Chemistry, 2009, 20, 427-431.	3.6	66
13	Role of Quaternary Structure in the Stability of Dimeric Proteins:Â The Case of Ascorbate Oxidase. Biochemistry, 1997, 36, 10917-10922.	2.5	52
14	Co-encapsulation of curcumin and doxorubicin in albumin nanoparticles blocks the adaptive treatment tolerance of cancer cells. Biophysics Reports, 2019, 5, 19-30.	0.8	52
15	Nanodrugs to target articular cartilage: An emerging platform for osteoarthritis therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 255-268.	3.3	50
16	Quantum dot-doped silica nanoparticles as probes for targeting of T-lymphocytes. International Journal of Nanomedicine, 2007, 2, 227-33.	6.7	49
17	The effect of pressure and guanidine hydrochloride on azurins mutated in the hydrophobic core. FEBS Journal, 1999, 265, 619-626.	0.2	46
18	Near Infrared Spectroscopy and Transcranial Doppler in Monohemispheric Stroke. European Neurology, 1999, 41, 159-162.	1.4	45

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19	Flexibility of Helix 2 in the Human Glutathione Transferase P1-1. Journal of Biological Chemistry, 1998, 273, 23267-23273.	3.4	35
20	Role of the Tertiary and Quaternary Structures in the Stability of Dimeric Copper,Zinc Superoxide Dismutases. Archives of Biochemistry and Biophysics, 2000, 377, 215-218.	3.0	35
21	Cell-Type Specific and Cytoplasmic Targeting of PEGylated Carbon Nanotube-Based Nanoassemblies. Journal of Nanoscience and Nanotechnology, 2008, 8, 2259-2269.	0.9	33
22	Carbon Nanotube-Based Nanocarriers: The Importance of Keeping It Clean. Journal of Nanoscience and Nanotechnology, 2010, 10, 5293-5301.	0.9	31
23	Molecular dynamics simulations of human glutathione transferase P1-1: Analysis of the induced-fit mechanism by GSH binding. , 1999, 37, 1-9.		27
24	Structure-to-Function Relationship of Mini-Lipoxygenase, a 60-kDa Fragment of Soybean Lipoxygenase-1 with Lower Stability but Higher Enzymatic Activity. Journal of Biological Chemistry, 2003, 278, 18281-18288.	3.4	27
25	Luminescent Silica Nanobeads:Â Characterization and Evaluation as Efficient Cytoplasmatic Transporters for T-Lymphocytes. Journal of the American Chemical Society, 2007, 129, 7814-7823.	13.7	26
26	Synthesis and Characterization of Supramolecular Nanostructures of Carbon Nanotubes and Ruthenium-Complex Luminophores. Journal of Nanoscience and Nanotechnology, 2006, 6, 1381-1386.	0.9	25
27	Quantitative atomic force microscopy provides new insight into matrix vesicle mineralization. Archives of Biochemistry and Biophysics, 2019, 667, 14-21.	3.0	25
28	c-Jun N-terminal kinase activation by nitrobenzoxadiazoles leads to late-stage autophagy inhibition. Journal of Translational Medicine, 2016, 14, 37.	4.4	22
29	Molten globule monomers in human superoxide dismutase. Biophysical Chemistry, 1993, 48, 171-182.	2.8	20
30	Biotin and Biotin Analogues Specifically Modify the Fluorescence Decay of Avidin. Journal of Molecular Biology, 1994, 242, 559-565.	4.2	20
31	Targeted Nanodrugs for Cancer Therapy: Prospects and Challenges. Journal of Nanoscience and Nanotechnology, 2014, 14, 98-114.	0.9	20
32	Localization of Annexin A6 in Matrix Vesicles During Physiological Mineralization. International Journal of Molecular Sciences, 2020, 21, 1367.	4.1	20
33	Dispersion of Pristine Single-walled Carbon Nanotubes in Water by a Thiolated Organosilane:Â Application in Supramolecular Nanoassemblies. Journal of Physical Chemistry B, 2006, 110, 13685-13688.	2.6	19
34	Resolution of the heterogeneous fluorescence in multi-tryptophan proteins : ascorbate oxidase. FEBS Journal, 1998, 257, 337-343.	0.2	17
35	Catalytic and Spectroscopic Properties of Cytochrome- c, Horseradish Peroxidase, and Ascorbate Oxidase Embedded in a Sol-Gel Silica Matrix as a Function of Gelation Time. Applied Biochemistry and Biotechnology, 1999, 82, 227-242.	2.9	17
36	Evidence of Stable Monomeric Species in the Unfolding of Cu,Zn Superoxide Dismutase from Photobacterium leiognathi. Archives of Biochemistry and Biophysics, 1999, 370, 201-207.	3.0	17

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37	The Early Phase of Apoptosis in Human Neuroblastoma CHP100 Cells Is Characterized by Lipoxygenase-Dependent Ultraweak Light Emission. Biochemical and Biophysical Research Communications, 1999, 265, 758-762.	2.1	17
38	Rat and human fatty acid amide hydrolases: Overt similarities and hidden differences. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 1425-1433.	2.4	16
39	TNFR-Associated Factor-2 (TRAF2): Not Only a Trimer. Biochemistry, 2015, 54, 6153-6161.	2.5	16
40	Laser-Induced Transformable BiS@HSA/DTX Multiple Nanorods for Photoacoustic/Computed Tomography Dual-Modal Imaging Guided Photothermal/Chemo Combinatorial Anticancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 41167-41177.	8.0	16
41	Nitric Oxide Dependent Degradation of Polyethylene Glycolâ€Modified Singleâ€Walled Carbon Nanotubes: Implications for Intraâ€Articular Delivery. Advanced Healthcare Materials, 2018, 7, e1700916.	7.6	14
42	Characterization of monomeric substates of ascorbate oxidase. FEBS Journal, 2011, 278, 1585-1593.	4.7	12
43	New insight into the interaction of TRAF2 C-terminal domain with lipid raft microdomains. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 813-822.	2.4	12
44	Photoresponsive polymers: Stilbene containing polypeptides. Die Makromolekulare Chemie Rapid Communications, 1982, 3, 29-33.	1.1	11
45	A time-resolved fluorescence study of human copper-zinc superoxide dismutase. Biophysical Chemistry, 1990, 36, 41-46.	2.8	11
46	Kinetics of ultraweak light emission from human erythroleukemia K562 cells upon electroporation. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1414, 43-50.	2.6	10
47	Physico-chemical properties of molten dimer ascorbate oxidase. FEBS Journal, 2006, 273, 5194-5204.	4.7	10
48	Noncovalently silylated carbon nanotubes decorated with quantum dots. Carbon, 2007, 45, 673-676.	10.3	10
49	Effect of Denaturants on the Structural Properties of Soybean Lipoxygenase-1. Biochemical and Biophysical Research Communications, 2001, 289, 1295-1300.	2.1	7
50	Dipolar Relaxation Times of Tryptophan and Tyrosine in Glycerol and in Proteins: A Direct Evaluation from Their Fluorescence Decays. Journal of Fluorescence, 2003, 13, 467-477.	2.5	7
51	Hyaluronic Acid Nanoporous Microparticles with Long In Vivo Joint Residence Time and Sustained Release. Particle and Particle Systems Characterization, 2017, 34, 1600411.	2.3	6
52	Ultraweak light emission is a common response of bacterial cells to chemico-physical stress. , 1998, 13, 287-293.		5
53	Asymmetrical Distribution of Intrinsic Fluorescence Lifetimes in Proteins. Journal of Fluorescence, 2001, 11, 319-333.	2.5	5
54	Characterization of the in Vitro Osteogenic Response to Submicron TiO₂ Particles of Varying Structure and Crystallinity. ACS Omega, 2020, 5, 16491-16501.	3.5	5

#	Article	IF	Citations
55	The functional role of soluble proteins acquired by extracellular vesicles. , 2022, 1, .		5
56	Lipoxygenase products induce ultraweak light emission from human erythroleukemia cells. , 1997, 12, 285-293.		4
57	The recovery of dipolar relaxation times from fluorescence decays as a tool to probe local dynamics in single tryptophan proteins. Archives of Biochemistry and Biophysics, 2003, 417, 159-164.	3.0	4
58	Title is missing!. Journal of Fluorescence, 2003, 13, 33-39.	2.5	3
59	Spectroscopic and electrochemical characterization of cytochromeÂc encapsulated in a bio solâ€“gel matrix. BioMetals, 2008, 21, 417-423.	4.1	3
60	Structural Stability of Azurin Encapsulated in Sol-Gel Glasses: A Fluorometric Study. Journal of Sol-Gel Science and Technology, 2004, 30, 205-214.	2.4	2
61	Dynamic fluorescence in copper proteins Selected examples. Biology of Metals, 1990, 3, 133-136.	1.1	1
62	Spectroscopic Studies of Conformational Changes in Photochromic Polypeptides. , 1983, , 313-323.		0