Sonia Michaela Melino

List of Publications by Year
in descending order

76 papers	11,541 citations	117453 34 h-index	79541 73 g-index
79 all docs	79 docs citations	79 times ranked	23462 citing authors

#	Article	IF	Citations
1	Immune response in COVID-19: what is next?. Cell Death and Differentiation, 2022, 29, 1107-1122.	5.0	69
2	Vegetable waste scaffolds for 3D-stem cell proliferating systems and low cost biosensors. Talanta, 2021, 223, 121671.	2.9	13
3	A hydrogel reveals an elusive cancer stem cell. Cell Death and Disease, 2021, 12, 415.	2.7	0
4	Photo-Polymerization Damage Protection by Hydrogen Sulfide Donors for 3D-Cell Culture Systems Optimization. International Journal of Molecular Sciences, 2021, 22, 6095.	1.8	11
5	Global mapping of cancers: The Cancer Genome Atlas and beyond. Molecular Oncology, 2021, 15, 2823-2840.	2.1	55
6	A Gelâ€Based Model of Selective Cell Motility: Implications for Cell Sorting, Diagnostics, and Screening. Advanced Functional Materials, 2020, 30, 1807106.	7.8	3
7	Can COVID-19 pandemic boost the epidemic of neurodegenerative diseases?. Biology Direct, 2020, 15, 28.	1.9	44
8	New Consensus pattern in Spike CoV-2: potential implications in coagulation process and cellâ€“cell fusion. Cell Death Discovery, 2020, 6, 134.	2.0	18
9	Glutathioneâ€“Allylsulfur Conjugates as Mesenchymal Stem Cells Stimulating Agents for Potential Applications in Tissue Repair. International Journal of Molecular Sciences, 2020, 21, 1638.	1.8	5
10	Hydrogen Sulfide as Potential Regulatory Gasotransmitter in Arthritic Diseases. International Journal of Molecular Sciences, 2020, 21, 1180.	1.8	33
11	Natural Hydrogen Sulfide Donors from Allium sp. as a Nutraceutical Approach in Type 2 Diabetes Prevention and Therapy. Nutrients, 2019, 11, 1581.	1.7	32
12	Visualizing cellâ€laden fibrinâ€based hydrogels using cryogenic scanning electron microscopy and confocal microscopy. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 587-598.	1.3	8
13	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	5.0	4,036
14	An Unexpected Risk Factor for Early Structural Deterioration of Biological Aortic Valve Prostheses. Annals of Thoracic Surgery, 2018, 105, 521-527.	0.7	12
15	Injectable silk fibroin hydrogels functionalized with microspheres as adult stem cells-carrier systems. International Journal of Biological Macromolecules, 2018, 108, 960-971.	3.6	57
16	Hydrogen Sulfide-Releasing Fibrous Membranes: Potential Patches for Stimulating Human Stem Cells Proliferation and Viability under Oxidative Stress. International Journal of Molecular Sciences, 2018, 19, 2368.	1.8	57
17	Trichormus variabilis (Cyanobacteria) Biomass: From the Nutraceutical Products to Novel EPS-Cell/Protein Carrier Systems. Marine Drugs, 2018, 16, 298.	2.2	13
18	Scaffold-in-Scaffold Potential to Induce Growth and Differentiation of Cardiac Progenitor Cells. Stem Cells and Development, 2017, 26, 1438-1447.	1.1	26

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19	The mechanisms of humic substances self-assembly with biological molecules: The case study of the prion protein. PLoS ONE, 2017, 12, e0188308.	1.1	10
20	The Diatom Staurosirella pinnata for Photoactive Material Production. PLoS ONE, 2016, 11, e0165571.	1.1	16
21	Design of a Novel Composite H₂Sâ€Releasing Hydrogel for Cardiac Tissue Repair. Macromolecular Bioscience, 2016, 16, 847-858.	2.1	49
22	Photonic Application of Diatom Frustules. Materials Science Forum, 2016, 879, 419-423.	0.3	0
23	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
24	H2S-releasing nanoemulsions: a new formulation to inhibit tumor cells proliferation and improve tissue repair. Oncotarget, 2016, 7, 84338-84358.	0.8	45
25	Glutathione-Garlic Sulfur Conjugates: Slow Hydrogen Sulfide Releasing Agents for Therapeutic Applications. Molecules, 2015, 20, 1731-1750.	1.7	41
26	Amino-terminal residues of Î”Np63, mutated in ectodermal dysplasia, are required for its transcriptional activity. Biochemical and Biophysical Research Communications, 2015, 467, 434-440.	1.0	9
27	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. Cell Death and Differentiation, 2015, 22, 58-73.	5.0	811
28	Screening for E3-Ubiquitin ligase inhibitors: challenges and opportunities. Oncotarget, 2014, 5, 7988-8013.	0.8	85
29	p63 threonine phosphorylation signals the interaction with the WW domain of the E3 ligase Itch. Cell Cycle, 2014, 13, 3207-3217.	1.3	10
30	Structure of the cyclic peptide [W8S]contryphan Vn: effect of the tryptophan/serine substitution on transâ€“cis proline isomerization. Amino Acids, 2014, 46, 2841-2853.	1.2	2
31	Histatins: salivary peptides with copper(<scp>II</scp>)â€•and zinc(<scp>II</scp>)â€binding motifs. FEBS Journal, 2014, 281, 657-672.	2.2	93
32	Polymer composite random lasers based on diatom frustules as scatterers. RSC Advances, 2014, 4, 61809-61816.	1.7	44
33	Specificity of Îµ and Non-Îµ Isoforms of Arabidopsis 14-3-3 Proteins Towards the H+-ATPase and Other Targets. PLoS ONE, 2014, 9, e90764.	1.1	49
34	A metal-binding site in the RTN1-C protein: new perspectives on the physiological role of a neuronal protein. Metallomics, 2012, 4, 480.	1.0	2
35	Recognition mechanism of p63 by the E3 ligase Itch. Cell Cycle, 2012, 11, 3638-3648.	1.3	39
36	Molecular properties of lysozyme-microbubbles: towards the protein and nucleic acid delivery. Amino Acids, 2012, 43, 885-896.	1.2	15

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37	Oxidative species and Sâ€glutathionyl conjugates in the apoptosis induction by allyl thiosulfate. FEBS Journal, 2012, 279, 154-167.	2.2	39
38	Allyl sulfur compounds and cellular detoxification system: effects and perspectives in cancer therapy. Amino Acids, 2011, 41, 103-112.	1.2	52
39	Sonochemical synthesis of liquid-encapsulated lysozyme microspheres. Ultrasonics Sonochemistry, 2010, 17, 333-337.	3.8	47
40	Recognition of p63 by the E3 ligase ITCH: Effect of an ectodermal dysplasia mutant. Cell Cycle, 2010, 9, 3754-3763.	1.3	38
41	Reticulon RTN1-C_{CT} Peptide: A Potential Nuclease and Inhibitor of Histone Deacetylase Enzymes. Biochemistry, 2010, 49, 252-258.	1.2	18
42	Post-translational modification of glutamine and lysine residues of HIV-1 aspartyl protease by transglutaminase increases its catalytic activity. Biochemical and Biophysical Research Communications, 2010, 393, 546-550.	1.0	7
43	Recognition of p63 by the E3 ligase ITCH: Effect of an ectodermal dysplasia mutant. Cell Cycle, 2010, 9, 3730-9.	1.3	25
44	Acetylation of RTN-1C regulates the induction of ER stress by the inhibition of HDAC activity in neuroectodermal tumors. Oncogene, 2009, 28, 3814-3824.	2.6	41
45	Nucleic Acid Binding of the RTN1-C C-Terminal Region: Toward the Functional Role of a Reticulon Protein. Biochemistry, 2009, 48, 242-253.	1.2	40
46	Rhodaneseâ€“thioredoxin system and allyl sulfur compounds. FEBS Journal, 2008, 275, 3884-3899.	2.2	37
47	Structural Basis for the Interaction of the Myosin Light Chain Mlc1p with the Myosin V Myo2p IQ Motifs. Journal of Biological Chemistry, 2007, 282, 667-679.	1.6	13
48	Pro-oxidant activity of histatin 5 related Cu(II)-model peptide probed by mass spectrometry. Biochemical and Biophysical Research Communications, 2007, 358, 277-284.	1.0	40
49	Progress for dengue virus diseases. FEBS Journal, 2007, 274, 2986-3002.	2.2	35
50	Metal-Binding and Nuclease Activity of an Antimicrobial Peptide Analogue of the Salivary Histatin 5â€. Biochemistry, 2006, 45, 15373-15383.	1.2	54
51	Cloning, expression, and preliminary structural characterization of RTN-1C. Biochemical and Biophysical Research Communications, 2006, 342, 881-886.	1.0	3
52	The active essential CFNS3d protein complex.. FEBS Journal, 2006, 273, 3650-3662.	2.2	16
53	Backbone NMR assignment of the 29.6ÂkDa Rhodanese protein from Azotobacter vinelandii. Journal of Biomolecular NMR, 2006, 36, 73-73.	1.6	16
54	Structure of calmodulin complexed with an olfactory CNG channelfragment and role of the central linker: Residual dipolar couplingsto evaluate calmodulin binding modes outside the kinase family. Journal of Biomolecular NMR, 2005, 31, 185-199.	1.6	42

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55	Letter to the Editor: Assignment of the 1H, 13C and 15N resonances of Mlc1p from Saccharomices cerevisiae. Journal of Biomolecular NMR, 2005, 31, 367-368.	1.6	4
56	The N-terminal rhodanese domain fromAzotobacter vinelandiihas a stable and folded structure independently of the C-terminal domain. FEBS Letters, 2004, 577, 403-408.	1.3	9
57	Azotobacter vinelandii rhodanese. FEBS Journal, 2003, 270, 4208-4215.	0.2	9
58	Interaction of DAPI with individual strands of trinucleotide repeats. FEBS Journal, 2003, 270, 4755-4761.	0.2	15
59	Structural rearrangements of the two domains of Azotobacter vinelandii rhodanese upon sulfane sulfur release: essential molecular dynamics, NMR relaxation and deuterium exchange on the uniformly labeled protein. International Journal of Biological Macromolecules, 2003, 33, 193-201.	3.6	7
60	Two distinct calcium-calmodulin interactions with N-terminal regions of the olfactory and rod cyclic nucleotide-gated channels characterized by NMR spectroscopy. FEBS Letters, 2003, 548, 11-16.	1.3	7
61	Surface Changes and Role of Buried Water Molecules during the Sulfane Sulfur Transfer in Rhodanese fromAzotobacter vinelandii:Â A Fluorescence Quenching and Nuclear Magnetic Relaxation Dispersion Spectroscopic Studyâ€. Biochemistry, 2003, 42, 8550-8557.	1.2	12
62	Amino acid sequence of the major form of toad liver glutathione transferase. International Journal of Biochemistry and Cell Biology, 2002, 34, 1286-1290.	1.2	4
63	Unfolding and inactivation of monomeric superoxide dismutase from E. coli by SDS. International Journal of Biological Macromolecules, 2001, 29, 99-105.	3.6	8
64	Purification and Characterization of Glutathione Transferases from the Sea Bass (Dicentrarchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.4	38
65	Characterization of toad liver glutathione transferase. BBA - Proteins and Proteomics, 1999, 1431, 189-198.	2.1	31
66	Zn2+Ions Selectively Induce Antimicrobial Salivary Peptide Histatin-5 To Fuse Negatively Charged Vesicles. Identification and Characterization of a Zinc-Binding Motif Present in the Functional Domainâ€. Biochemistry, 1999, 38, 9626-9633.	1.2	75
67	Structural characterization of human glyoxalase II as probed by limited proteolysis. IUBMB Life, 1998, 44, 761-769.	1.5	2
68	A zinc-binding motif conserved in glyoxalase II, Î²-lactamase and arylsulfatases. Trends in Biochemical Sciences, 1998, 23, 381-382.	3.7	60
69	Purification and characterization of a novel glutathione transferase from Ochrobactrum anthropi. FEMS Microbiology Letters, 1998, 160, 81-86.	0.7	0
70	Purification and partial characterization of a peroxidase from plant cell cultures of Cassia didymobotrya and biotransformation studies1. Biochemical Journal, 1998, 331, 513-519.	1.7	36
71	Molecular cloning, expression and site-directed mutagenesis of glutathione S-transferase from Ochrobactrum anthropi. Biochemical Journal, 1998, 335, 573-579.	1.7	45
72	The Conserved N-capping Box in the Hydrophobic Core of Glutathione S-Transferase P1â€“1 Is Essential for Refolding. Journal of Biological Chemistry, 1997, 272, 25518-25523.	1.6	39

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73	Identification of an N-capping box that affects the Î±6-helix propensity in glutathione S-transferase superfamily proteins: a role for an invariant aspartic residue. Biochemical Journal, 1997, 322, 229-234.	1.7	41
74	Amphibian embryo glutathione transferase: amino acid sequence and structural properties. Biochemical Journal, 1997, 322, 679-680.	1.7	11
75	Purification and characterization of three pi class glutathione transferase from monkey (Macaca) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Biology, 1996, 114, 377-382.	0.7	3
76	Photolithography of 3D Scaffolds for Artificial Tissue. Materials Science Forum, 0, 879, 1519-1523.	0.3	6