Valentina Cappello

List of Publications by Citations

47 papers	13,689 citations	22 h-index	56 g-index
56 ext. papers	17,515 ext. citations	5.8 avg, IF	6.63 L-index

#	Paper	IF	Citations
47	Ultrastructural Characterization of the Lower Motor System in a Mouse Model of Krabbe Disease. *Scientific Reports*, **2016**, 6, 1	4.9	12295
46	Autophagy as a new therapeutic target in Duchenne muscular dystrophy. *Cell Death and Disease*, **2012**, 3, e418	9.8	151
45	Overlapping role of dynamin isoforms in synaptic vesicle endocytosis. *Neuron*, **2011**, 70, 1100-14	13.9	146
44	Cholesterol reduction impairs exocytosis of synaptic vesicles. *Journal of Cell Science*, **2010**, 123, 595-605	5.3	126
43	Effects of cerium oxide nanoparticles on PC12 neuronal-like cells: proliferation, differentiation, and dopamine secretion. *Pharmaceutical Research*, **2013**, 30, 2133-45	4.5	76
42	Active Targeting of Sorafenib: Preparation, Characterization, and In Vitro Testing of Drug-Loaded Magnetic Solid Lipid Nanoparticles. *Advanced Healthcare Materials*, **2015**, 4, 1681-90	10.1	63
41	Gelatin/nanoceria nanocomposite fibers as antioxidant scaffolds for neuronal regeneration. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 386-395	4	54
40	Cytocompatibility evaluation of gum Arabic-coated ultra-pure boron nitride nanotubes on human cells. *Nanomedicine*, **2014**, 9, 773-88	5.6	51
39	Gold Nanoshell-Mediated Remote Myotube Activation. *ACS Nano*, **2017**, 11, 2494-2508	16.7	48
38	Deficient nitric oxide signalling impairs skeletal muscle growth and performance: involvement of mitochondrial dysregulation. *Skeletal Muscle*, **2014**, 4, 22	5.1	46
37	Piezoelectric barium titanate nanostimulators for the treatment of glioblastoma multiforme. *Journal of Colloid and Interface Science*, **2019**, 538, 449-461	9.3	43
36	Neuromuscular Junction Dismantling in Amyotrophic Lateral Sclerosis. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	41
35	Cerium oxide nanoparticles: the regenerative redox machine in bioenergetic imbalance. *Nanomedicine*, **2017**, 12, 403-416	5.6	40
34	Nanobeam precession-assisted 3D electron diffraction reveals a new polymorph of hen egg-white lysozyme. *IUCrJ*, **2019**, 6, 178-188	4.7	40
33	Cytocompatibility evaluation of glycol-chitosan coated boron nitride nanotubes in human endothelial cells. *Colloids and Surfaces B: Biointerfaces*, **2013**, 111, 142-9	6	38
32	On the thermodynamic path enabling a room-temperature, laser-assisted graphite to nanodiamond transformation. *Scientific Reports*, **2016**, 6, 35244	4.9	34
31	Biodegradable Passion Fruit-Like Nano-Architectures as Carriers for Cisplatin Prodrug. *Particle and Particle Systems Characterization*, **2016**, 33, 818-824	3.1	34

30	Conducting shrinkable nanocomposite based on au-nanoparticle implanted plastic sheet: tunable thermally induced surface wrinkling. *ACS Applied Materials & Interfaces*, **2015**, 7, 7060-5	9.5	31
29	Analysis of neuromuscular junctions and effects of anabolic steroid administration in the SOD1G93A mouse model of ALS. *Molecular and Cellular Neurosciences*, **2012**, 51, 12-21	4.8	26
28	Ionic Strength Responsive Sulfonated Polystyrene Opals. *ACS Applied Materials & Interfaces*, **2017**, 9, 4818-4827	9.5	25
27	Pectin-coated boron nitride nanotubes: In vitro cyto-/immune-compatibility on RAW 264.7 macrophages. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 775-84	4	25
26	Endogenously Triggerable Ultrasmall-in-Nano Architectures: Targeting Assessment on 3D Pancreatic Carcinoma Spheroids. *ACS Omega*, **2018**, 3, 11796-11801	3.9	23
25	Synthesis of colloidal Ag nanoparticles with citrate based ionic liquids as reducing and capping agents. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2018**, 538, 506-512	5.1	22
24	Effects of cerium oxide nanoparticles on hemostasis: Coagulation, platelets, and vascular endothelial cells. *Journal of Biomedical Materials Research - Part A*, **2019**, 107, 1551-1562	5.4	21
23	Graphene Promotes Axon Elongation through Local Stall of Nerve Growth Factor Signaling Endosomes. *Nano Letters*, **2020**, 20, 3633-3641	11.5	21
22	Size and specimen-dependent strategy for x-ray micro-ct and tem correlative analysis of nervous system samples. *Scientific Reports*, **2017**, 7, 2858	4.9	20
21	RP-CARS reveals molecular spatial order anomalies in myelin of an animal model of Krabbe disease. *Journal of Biophotonics*, **2017**, 10, 385-393	3.1	15
20	Extremely Low Forces Induce Extreme Axon Growth. *Journal of Neuroscience*, **2020**, 40, 4997-5007	6.6	15
19	Autophagy as a new therapeutic target in Duchenne muscular dystrophy. *Cell Death and Disease*, **2014**, 5, e1363	9.8	12
18	Insulin secretory granules labelled with phogrin-fluorescent proteins show alterations in size, mobility and responsiveness to glucose stimulation in living Ecells. *Scientific Reports*, **2019**, 9, 2890	4.9	11
17	EXPLOITING THE VERSATILITY OF CHOLESTEROL IN NANOPARTICLES FORMULATION. *International Journal of Pharmaceutics*, **2016**, 511, 331-340	6.5	11
16	Non-linear optical response by functionalized gold nanospheres: identifying design principles to maximize the molecular photo-release. *Nanoscale*, **2015**, 7, 13345-57	7.7	10
15	Endogenously-Activated Ultrasmall-in-Nano Therapeutics: Assessment on 3D Head and Neck Squamous Cell Carcinomas. *Cancers*, **2020**, 12,	6.6	10
14	Design and optimization of lipid-modified poly(amidoamine) dendrimer coated iron oxide nanoparticles as probes for biomedical applications. *Nanoscale*, **2015**, 7, 7307-17	7.7	10
13	Chiral ionic liquid assisted synthesis of some metal oxides. *RSC Advances*, **2017**, 7, 1154-1160	3.7	8

12	Production of 3D Tumor Models of Head and Neck Squamous Cell Carcinomas for Nanotheranostics Assessment. *ACS Biomaterials Science and Engineering*, **2020**, 6, 4862-4869	5.5	6
11	Uranium-free X solution: a new generation contrast agent for biological samples ultrastructure. *Scientific Reports*, **2020**, 10, 11540	4.9	6
10	Electron Diffraction on Flash-Frozen Cowlesite Reveals the Structure of the First Two-Dimensional Natural Zeolite. *ACS Central Science*, **2020**, 6, 1578-1586	16.8	6
9	Ag@TiO nanogranular films by gas phase synthesis as hybrid SERS platforms. *Physical Chemistry Chemical Physics*, **2019**, 21, 25090-25097	3.6	6
8	Anti-inflammatory and antioxidant effects of cerium oxide nanoparticles in human endothelial cells. *European Heart Journal*, **2013**, 34, P4174-P4174	9.5	5
7	Generation of virus like particles for epizootic hemorrhagic disease virus. *Research in Veterinary Science*, **2016**, 107, 116-122	2.5	4
6	Proteomics analysis of serum small extracellular vesicles for the longitudinal study of a glioblastoma multiforme mouse model. *Scientific Reports*, **2020**, 10, 20498	4.9	4
5	Extended criteria grafts and emerging therapeutics strategy in liver transplantation. The unstable balance between damage and repair. *Transplantation Reviews*, **2021**, 35, 100639	3.3	2
4	Correlative Synchrotron Micro-CT and FIB-SEM Imaging for the Analysis of Multifocal Pathologies. *Microscopy and Microanalysis*, **2019**, 25, 1052-1053	0.5	1
3	Effects of fixatives on myelin molecular order probed with RP-CARS microscopy. *Applied Optics*, **2020**, 59, 1756-1762	1.7	1
2	Design and Synthesis of Ionic Liquid-Based Matrix Metalloproteinase Inhibitors (MMPIs): A Simple Approach to Increase Hydrophilicity and to Develop MMPI-Coated Gold Nanoparticles. *ChemMedChem*, **2019**, 14, 686-698	3.7	1
1	Microscopes, tools, probes, and protocols: A guide in the route of correlative microscopy for biomedical investigation. *Micron*, **2022**, 152, 103182	2.3	0