

# Valentina Cappello

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Microscopes, tools, probes, and protocols: A guide in the route of correlative microscopy for biomedical investigation. <i>Micron</i> , <b>2022</b> , 152, 103182	2.3	0
46	Extended criteria grafts and emerging therapeutics strategy in liver transplantation. The unstable balance between damage and repair. <i>Transplantation Reviews</i> , <b>2021</b> , 35, 100639	3.3	2
45	Graphene Promotes Axon Elongation through Local Stall of Nerve Growth Factor Signaling Endosomes. <i>Nano Letters</i> , <b>2020</b> , 20, 3633-3641	11.5	21
44	Production of 3D Tumor Models of Head and Neck Squamous Cell Carcinomas for Nanotheranostics Assessment. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 4862-4869	5.5	6
43	Endogenously-Activated Ultrasmall-in-Nano Therapeutics: Assessment on 3D Head and Neck Squamous Cell Carcinomas. <i>Cancers</i> , <b>2020</b> , 12,	6.6	10
42	Extremely Low Forces Induce Extreme Axon Growth. <i>Journal of Neuroscience</i> , <b>2020</b> , 40, 4997-5007	6.6	15
41	Effects of fixatives on myelin molecular order probed with RP-CARS microscopy. <i>Applied Optics</i> , <b>2020</b> , 59, 1756-1762	1.7	1
40	Uranium-free X solution: a new generation contrast agent for biological samples ultrastructure. <i>Scientific Reports</i> , <b>2020</b> , 10, 11540	4.9	6
39	Proteomics analysis of serum small extracellular vesicles for the longitudinal study of a glioblastoma multiforme mouse model. <i>Scientific Reports</i> , <b>2020</b> , 10, 20498	4.9	4
38	Electron Diffraction on Flash-Frozen Cowlesite Reveals the Structure of the First Two-Dimensional Natural Zeolite. <i>ACS Central Science</i> , <b>2020</b> , 6, 1578-1586	16.8	6
37	Correlative Synchrotron Micro-CT and FIB-SEM Imaging for the Analysis of Multifocal Pathologies. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 1052-1053	0.5	1
36	Effects of cerium oxide nanoparticles on hemostasis: Coagulation, platelets, and vascular endothelial cells. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2019</b> , 107, 1551-1562	5.4	21
35	Insulin secretory granules labelled with phogrin-fluorescent proteins show alterations in size, mobility and responsiveness to glucose stimulation in living $\beta$ cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 2890	4.9	11
34	Nanobeam precession-assisted 3D electron diffraction reveals a new polymorph of hen egg-white lysozyme. <i>IUCrJ</i> , <b>2019</b> , 6, 178-188	4.7	40
33	Ag@TiO nanogranular films by gas phase synthesis as hybrid SERS platforms. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 25090-25097	3.6	6
32	Design and Synthesis of Ionic Liquid-Based Matrix Metalloproteinase Inhibitors (MMPIs): A Simple Approach to Increase Hydrophilicity and to Develop MMPI-Coated Gold Nanoparticles. <i>ChemMedChem</i> , <b>2019</b> , 14, 686-698	3.7	1
31	Piezoelectric barium titanate nanostimulators for the treatment of glioblastoma multiforme. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 538, 449-461	9.3	43

30	Synthesis of colloidal Ag nanoparticles with citrate based ionic liquids as reducing and capping agents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 538, 506-512	5.1	22
29	Endogenously Triggerable Ultrasmall-in-Nano Architectures: Targeting Assessment on 3D Pancreatic Carcinoma Spheroids. <i>ACS Omega</i> , <b>2018</b> , 3, 11796-11801	3.9	23
28	RP-CARS reveals molecular spatial order anomalies in myelin of an animal model of Krabbe disease. <i>Journal of Biophotonics</i> , <b>2017</b> , 10, 385-393	3.1	15
27	Gold Nanoshell-Mediated Remote Myotube Activation. <i>ACS Nano</i> , <b>2017</b> , 11, 2494-2508	16.7	48
26	Chiral ionic liquid assisted synthesis of some metal oxides. <i>RSC Advances</i> , <b>2017</b> , 7, 1154-1160	3.7	8
25	Ionic Strength Responsive Sulfonated Polystyrene Opals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 4818-4827	9.5	25
24	Cerium oxide nanoparticles: the regenerative redox machine in bioenergetic imbalance. <i>Nanomedicine</i> , <b>2017</b> , 12, 403-416	5.6	40
23	Size and specimen-dependent strategy for x-ray micro-ct and tem correlative analysis of nervous system samples. <i>Scientific Reports</i> , <b>2017</b> , 7, 2858	4.9	20
22	Gelatin/nanoceria nanocomposite fibers as antioxidant scaffolds for neuronal regeneration. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 386-395	4	54
21	Neuromuscular Junction Dismantling in Amyotrophic Lateral Sclerosis. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	41
20	On the thermodynamic path enabling a room-temperature, laser-assisted graphite to nanodiamond transformation. <i>Scientific Reports</i> , <b>2016</b> , 6, 35244	4.9	34
19	Biodegradable Passion Fruit-Like Nano-Architectures as Carriers for Cisplatin Prodrug. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 818-824	3.1	34
18	Generation of virus like particles for epizootic hemorrhagic disease virus. <i>Research in Veterinary Science</i> , <b>2016</b> , 107, 116-122	2.5	4
17	Pectin-coated boron nitride nanotubes: In vitro cyto-/immune-compatibility on RAW 264.7 macrophages. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2016</b> , 1860, 775-84	4	25
16	Ultrastructural Characterization of the Lower Motor System in a Mouse Model of Krabbe Disease. <i>Scientific Reports</i> , <b>2016</b> , 6, 1	4.9	12295
15	EXPLOITING THE VERSATILITY OF CHOLESTEROL IN NANOPARTICLES FORMULATION. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 511, 331-340	6.5	11
14	Non-linear optical response by functionalized gold nanospheres: identifying design principles to maximize the molecular photo-release. <i>Nanoscale</i> , <b>2015</b> , 7, 13345-57	7.7	10
13	Conducting shrinkable nanocomposite based on au-nanoparticle implanted plastic sheet: tunable thermally induced surface wrinkling. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 7060-5	9.5	31

12	Active Targeting of Sorafenib: Preparation, Characterization, and In Vitro Testing of Drug-Loaded Magnetic Solid Lipid Nanoparticles. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1681-90	10.1	63
11	Design and optimization of lipid-modified poly(amidoamine) dendrimer coated iron oxide nanoparticles as probes for biomedical applications. <i>Nanoscale</i> , <b>2015</b> , 7, 7307-17	7.7	10
10	Cytocompatibility evaluation of gum Arabic-coated ultra-pure boron nitride nanotubes on human cells. <i>Nanomedicine</i> , <b>2014</b> , 9, 773-88	5.6	51
9	Autophagy as a new therapeutic target in Duchenne muscular dystrophy. <i>Cell Death and Disease</i> , <b>2014</b> , 5, e1363	9.8	12
8	Deficient nitric oxide signalling impairs skeletal muscle growth and performance: involvement of mitochondrial dysregulation. <i>Skeletal Muscle</i> , <b>2014</b> , 4, 22	5.1	46
7	Cytocompatibility evaluation of glycol-chitosan coated boron nitride nanotubes in human endothelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 111, 142-9	6	38
6	Effects of cerium oxide nanoparticles on PC12 neuronal-like cells: proliferation, differentiation, and dopamine secretion. <i>Pharmaceutical Research</i> , <b>2013</b> , 30, 2133-45	4.5	76
5	Anti-inflammatory and antioxidant effects of cerium oxide nanoparticles in human endothelial cells. <i>European Heart Journal</i> , <b>2013</b> , 34, P4174-P4174	9.5	5
4	Analysis of neuromuscular junctions and effects of anabolic steroid administration in the SOD1G93A mouse model of ALS. <i>Molecular and Cellular Neurosciences</i> , <b>2012</b> , 51, 12-21	4.8	26
3	Autophagy as a new therapeutic target in Duchenne muscular dystrophy. <i>Cell Death and Disease</i> , <b>2012</b> , 3, e418	9.8	151
2	Overlapping role of dynamin isoforms in synaptic vesicle endocytosis. <i>Neuron</i> , <b>2011</b> , 70, 1100-14	13.9	146
1	Cholesterol reduction impairs exocytosis of synaptic vesicles. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 595-605	5.3	126