Barbara Cortese

List of Publications by Year
in descending order

59	2,058	236925 25	243625 44
papers	citations	h-index	g-index

61	61	61	3294
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoparticles for Diagnosis and Target Therapy in Pediatric Brain Cancers. Diagnostics, 2022, 12, 173.	2.6	16
2	3D Culture Modeling of Metastatic Breast Cancer Cells in Additive Manufactured Scaffolds. ACS Applied Materials & Interfaces, 2022, 14, 28389-28402.	8.0	8
3	Hybrid Polyelectrolyte Nanocomplexes for Non-Viral Gene Delivery with Favorable Efficacy and Safety Profile. Pharmaceutics, 2022, 14, 1310.	4.5	0
4	Infection Rate of Respiratory Viruses in the Pandemic SARS-CoV-2 Period Considering Symptomatic Patients: Two Years of Ongoing Observations. Biomolecules, 2022, 12, 987.	4.0	4
5	Capsid-like biodegradable poly-glycolic acid nanoparticles for a long-time release of nucleic acid molecules. Materials Advances, 2021, 2, 310-321.	5.4	9
6	Erythrocytes and Nanoparticles: New Therapeutic Systems. Applied Sciences (Switzerland), 2021, 11, 2173.	2.5	16
7	Understanding the metal free alginate gelation process. RSC Advances, 2021, 11, 34449-34455.	3.6	4
8	Antibiotics Treatment Modulates Microgliaâ€“Synapses Interaction. Cells, 2021, 10, 2648.	4.1	17
9	Dimethyl Fumarate Reduces Microglia Functional Response to Tissue Damage and Favors Brain Iron Homeostasis. Neuroscience, 2020, 439, 241-254.	2.3	15
10	Development of superhydrophobic, self-cleaning, and flame-resistant DLC/TiO2 melamine sponge for application in oilâ€“water separation. Journal of Materials Science, 2020, 55, 2846-2859.	3.7	39
11	Exploring the Use of Dimethyl Fumarate as Microglia Modulator for Neurodegenerative Diseases Treatment. Antioxidants, 2020, 9, 700.	5.1	30
12	Biomimetic Nanocarriers for Cancer Target Therapy. Bioengineering, 2020, 7, 111.	3.5	34
13	Hybrid Clustered Nanoparticles for Chemo-Antibacterial Combinatorial Cancer Therapy. Cancers, 2019, 11, 1338.	3.7	14
14	Nanostructuring Iridium Complexes into Crystalline Phosphorescent Nanoparticles: Structural Characterization, Photophysics, and Biological Applications. ACS Applied Bio Materials, 2019, 2, 4594-4603.	4.6	3
15	Processing Techniques. , 2019, , 37-93.		0
16	Group IIâ€“VI Semiconductors. , 2019, , 397-464.		7
17	Mechanical Durotactic Environment Enhances Specific Glioblastoma Cell Responses. Cancers, 2019, 11, 643.	3.7	7
18	Microglia shape presynaptic properties at developing glutamatergic synapses. Glia, 2019, 67, 53-67.	4.9	72

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19	Time-lapse Whole-field Fluorescence Imaging of Microglia Processes Motility in Acute Mouse Hippocampal Slices and Analysis. Bio-protocol, 2019, 9, e3220.	0.4	3
20	Fabrication of Eu-TiO2 NCs functionalized cotton textile as a multifunctional photocatalyst for dye pollutants degradation. Applied Surface Science, 2018, 427, 81-91.	6.1	40
21	Microenvironmental Rigidity of 3D Scaffolds and Influence on Glioblastoma Cells: A Biomaterial Design Perspective. Frontiers in Bioengineering and Biotechnology, 2018, 6, 131.	4.1	16
22	MOS Meets NEMS: The Born of Hybrid Devices. , 2018, , .		0
23	Wool-Like Hollow Polymeric Nanoparticles for CML Chemo-Combinatorial Therapy. Pharmaceutics, 2018, 10, 52.	4.5	16
24	Smart conservation methodology for the preservation of copper-based objects against the hazardous corrosion. Thin Solid Films, 2017, 622, 130-135.	1.8	27
25	The Glycoside Oleandrin Reduces Glioma Growth with Direct and Indirect Effects on Tumor Cells. Journal of Neuroscience, 2017, 37, 3926-3939.	3.6	23
26	Argon and hydrogen plasma influence on the protective properties of diamond-like carbon films as barrier coating. Surfaces and Interfaces, 2017, 6, 60-71.	3.0	29
27	Therapeutic PCL scaffold for reparation of resected osteosarcoma defect. Scientific Reports, 2017, 7, 12672.	3.3	44
28	ATP release during cell swelling activates a Ca2+-dependent Clâ¯ current by autocrine mechanism in mouse hippocampal microglia. Scientific Reports, 2017, 7, 4184.	3.3	21
29	Environmental stimuli shape microglial plasticity in glioma. ELife, 2017, 6, .	6.0	51
30	Cell mechanotactic and cytotoxic response to zinc oxide nanorods depends on substrate stiffness. Toxicology Research, 2016, 5, 1699-1710.	2.1	8
31	Dexamethasone delivery with coated calcium carbonate microcubes for sustained growth of osteoblasts. Rendiconti Lincei, 2015, 26, 239-244.	2.2	1
32	Defective microglial development in the hippocampus of Cx3cr1 deficient mice. Frontiers in Cellular Neuroscience, 2015, 09, 111.	3.7	65
33	Flame retardant properties of plasma pre-treated/diamond-like carbon (DLC) coated cotton fabrics. Cellulose, 2015, 22, 2797-2809.	4.9	40
34	Unconventional tailorable patterning by solvent-assisted surface-tension-driven lithography. Journal of Colloid and Interface Science, 2015, 446, 44-52.	9.4	3
35	Underwater Wenzel and Cassie oleophobic behaviour. Journal of Materials Chemistry A, 2015, 3, 3854-3861.	10.3	59
36	Gene therapy with nonviral poly(Îµ-caprolactone) nanoparticles. Therapeutic Delivery, 2015, 6, 769-771.	2.2	2

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37	mRNA delivery using non-viral PCL nanoparticles. Biomaterials Science, 2015, 3, 144-151.	5.4	39
38	Coupled delivery of imatinib mesylate and doxorubicin with nanoscaled polymeric vectors for a sustained downregulation of BCR-ABL in chronic myeloid leukemia. Biomaterials Science, 2015, 3, 361-372.	5.4	10
39	Sustained anti-BCR-ABL activity with pH responsive imatinib mesylate loaded PCL nanoparticles in CML cells. MedChemComm, 2015, 6, 212-221.	3.4	15
40	Superhydrophobic fabrics for oilâ€“water separation through a diamond like carbon (DLC) coating. Journal of Materials Chemistry A, 2014, 2, 6781-6789.	10.3	164
41	Effects of plasma treatments for improving extreme wettability behavior of cotton fabrics. Cellulose, 2014, 21, 741-756.	4.9	88
42	Bioinspired design of a photoresponsive superhydrophobic/oleophilic surface with underwater superoleophobic efficacy. Journal of Materials Chemistry A, 2014, 2, 17666-17675.	10.3	39
43	Influence of electrotaxis on cell behaviour. Integrative Biology (United Kingdom), 2014, 6, 817-830.	1.3	126
44	Micro-chemical and -morphological features of heat treated plasma sprayed zirconia-based thermal barrier coatings. Thin Solid Films, 2013, 549, 321-329.	1.8	8
45	Influence of variable substrate geometry on wettability and cellular responses. Journal of Colloid and Interface Science, 2013, 394, 582-589.	9.4	24
46	Ultra Hydrophobic/Superhydrophilic Modified Cotton Textiles through Functionalized Diamond-Like Carbon Coatings for Self-Cleaning Applications. Langmuir, 2013, 29, 2775-2783.	3.5	85
47	A brief review of surface-functionalized cotton fabrics. Surface Innovations, 2013, 1, 140-156.	2.3	42
48	Controlling the Wettability of Hierarchically Structured Thermoplastics. Langmuir, 2012, 28, 896-904.	3.5	40
49	The influence of polydimethylsiloxane curing ratio on capillary pressure in microfluidic devices. Applied Surface Science, 2012, 258, 8032-8039.	6.1	11
50	Chemically resistant microfluidic valves from VitonÂ® membranes bonded to COC and PMMA. Lab on A Chip, 2011, 11, 2455.	6.0	52
51	Characterisation of an irreversible bonding process for COCâ€“COC and COCâ€“PDMSâ€“COC sandwich structures and application to microvalves. Sensors and Actuators B: Chemical, 2011, 160, 1473-1480.	7.8	43
52	Reversible wettability of hybrid organic/inorganic surfaces of systems upon light irradiation/storage cycles. International Journal of Nanomanufacturing, 2010, 6, 312.	0.3	2
53	Reversibly Lightâ€Switchable Wettability of Hybrid Organic/Inorganic Surfaces With Dual Microâ€/Nanoscale Roughness. Advanced Functional Materials, 2009, 19, 1149-1157.	14.9	115
54	Mechanical Gradient Cues for Guided Cell Motility and Control of Cell Behavior on Uniform Substrates. Advanced Functional Materials, 2009, 19, 2961-2968.	14.9	55

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55	Engineering Transfer of Micro- and Nanometer-Scale Features by Surface Energy Modification. Langmuir, 2009, 25, 7025-7031.	3.5	22
56	Organic light emitting diodes with highly conductive micropatterned polymer anodes. Organic Electronics, 2008, 9, 401-406.	2.6	21
57	Superhydrophobicity Due to the Hierarchical Scale Roughness of PDMS Surfaces. Langmuir, 2008, 24, 2712-2718.	3.5	238
58	Influence of Chemistry and Topology Effects on Superhydrophobic CF₄-Plasma-Treated Poly(dimethylsiloxane) (PDMS). Langmuir, 2008, 24, 1833-1843.	3.5	75
59	Mechanical guidance of cell migration. , 0, , 563-580.		1