Alessandro Buccolieri

List of Publications by Year
in descending order

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Version: 2024-02-01

68	1,858	393982	276539
papers	citations	19 h-index	41 g-index

70	70	70	2784
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diagnostic investigation to support the restoration of the polychrome terracotta relief â€œMadonna and Childâ€•in Piove di Sacco (Padova, Italy). Journal of Cultural Heritage, 2022, 53, 80-87.	1.5	2
2	Non-Destructive In Situ Investigation of the Study of a Medieval Copper Alloy Door in Canosa di Puglia (Southern Italy). Heritage, 2022, 5, 145-156.	0.9	1
3	From GO to rGO: An analysis of the progressive rippling induced by energetic ion irradiation. Applied Surface Science, 2022, 586, 152789.	3.1	14
4	Chemotrophic profiling of prokaryotic communities thriving on organic and mineral nutrients in a submerged coastal cave. Science of the Total Environment, 2021, 755, 142514.	3.9	7
5	Copper Dependent Modulation of Î±-Synuclein Phosphorylation in Differentiated SHSY5Y Neuroblastoma Cells. International Journal of Molecular Sciences, 2021, 22, 2038.	1.8	9
6	ED-XRF analysis of the mediaeval copper-based door in Monte Santâ€™Angelo (Southern Italy). Archaeological and Anthropological Sciences, 2021, 13, 1.	0.7	2
7	Structural and spectroscopic investigations on graphene oxide foils irradiated by ion beams for dosimetry application. Vacuum, 2021, 188, 110185.	1.6	20
8	Archaeometric analysis of patinas of the outdoor copper statue Sant'Oronzo (Lecce, Italy) preparatory to the restoration. Microchemical Journal, 2020, 154, 104538.	2.3	3
9	Plasmonic Light Trapping in Titaniaâ€“Silver Dots Thin Films. Physica Status Solidi (B): Basic Research, 2020, 257, 2070035.	0.7	0
10	Investigations of byzantine wall paintings in the abbey of Santa Maria di Cerrate (Italy) in view of their restoration. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118557.	2.0	12
11	Plasmonic Light Trapping in Titaniaâ€“Silver Dots Thin Films. Physica Status Solidi (B): Basic Research, 2020, 257, 2000124.	0.7	0
12	A silver nanoparticle-poly(methyl methacrylate) based colorimetric sensor for the detection of hydrogen peroxide. Heliyon, 2019, 5, e02887.	1.4	19
13	Photochromic properties in silver-doped titania nanoparticles. Materials Research Express, 2019, 6, 036206.	0.8	3
14	Copper and ceruloplasmin dyshomeostasis in serum and cerebrospinal fluid of multiple sclerosis subjects. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 1828-1838.	1.8	30
15	Sub-nanomolar detection of biogenic amines by SERS effect induced by hairy Janus silver nanoparticles. Sensors and Actuators B: Chemical, 2018, 267, 265-271.	4.0	25
16	Ethane-Bridged Bisporphyrin Conformational Changes As an Effective Analytical Tool for Nonenzymatic Detection of Urea in the Physiological Range. Analytical Chemistry, 2018, 90, 6952-6958.	3.2	9
17	Highly sensitive conformational switching of ethane-bridged mono-zinc bis-porphyrin as an application tool for rapid monitoring of aqueous ammonia and acetone. Sensors and Actuators B: Chemical, 2018, 257, 685-691.	4.0	5
18	Calcite-forming Bacillus licheniformis Thriving on Underwater Speleothems of a Hydrothermal Cave. Geomicrobiology Journal, 2018, 35, 804-817.	1.0	8

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19	Colloidal solution of silver nanoparticles for label-free colorimetric sensing of ammonia in aqueous solutions. Beilstein Journal of Nanotechnology, 2018, 9, 499-507.	1.5	17
20	Non-invasive in-situ analysis of a wreath of gold leaves from the National Archaeological Museum of Taranto, Italy. Measurement: Journal of the International Measurement Confederation, 2018, 126, 164-167.	2.5	8
21	The tale of Henry VII: a multidisciplinary approach to determining the post-mortem practice. Archaeological and Anthropological Sciences, 2017, 9, 1215-1222.	0.7	3
22	EDXRF analysis of gold jewelry from the Archaeological Museum of Taranto, Italy. X-Ray Spectrometry, 2017, 46, 421-426.	0.9	14
23	Enhanced electrical conductivity of collagen films through long-range aligned iron oxide nanoparticles. Journal of Colloid and Interface Science, 2017, 501, 185-191.	5.0	40
24	A simple approach to synthetize folic acid decorated magnetite@SiO₂ nanostructures for hyperthermia applications. Journal of Materials Chemistry B, 2017, 5, 7547-7556.	2.9	16
25	Design and Synthesis of Ironâ€Doped Nanostructured TiO₂ and Its Potential Use in the Photodegration of Hazardous Materials Present in Personal Care Products. ChemistrySelect, 2017, 2, 5095-5099.	0.7	3
26	Synthesis and Characterization of Mixed Iron-Manganese Oxide Nanoparticles and Their Application for Efficient Nickel Ion Removal from Aqueous Samples. Journal of Analytical Methods in Chemistry, 2017, 2017, 1-9.	0.7	15
27	Non-destructive techniques used during the restoration of the relief â€œMadonna and Childâ€•by Jacopo Sansovino. Applied Physics A: Materials Science and Processing, 2015, 120, 447-453.	1.1	2
28	Portable EDXRF investigation of the patinas on the Riace Bronzes. Nuclear Instruments & Methods in Physics Research B, 2015, 343, 101-109.	0.6	20
29	Solid-to-solid phase transformations of nanostructured selenium-tin thin films induced by thermal annealing in oxygen atmosphere. , 2014, , .		11
30	Cytotoxicity of Î²-D-glucose coated silver nanoparticles on human lymphocytes. AIP Conference Proceedings, 2014, , .	0.3	13
31	Analysis of selective laser cleaning of patina on bronze coins. Journal of Physics: Conference Series, 2014, 508, 012032.	0.3	4
32	Laser cleaning of a bronze bell. Applied Surface Science, 2013, 272, 55-58.	3.1	28
33	Green synthesis of sucralose-capped silver nanoparticles for fast colorimetric triethylamine detection. Sensors and Actuators B: Chemical, 2013, 178, 1-9.	4.0	88
34	Controlled synthesis and chain-like self-assembly of silver nanoparticles through tertiary amine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 417, 10-17.	2.3	14
35	Silver and carbon nanoparticles toxicity in sea urchin Paracentrotus lividus embryos. BioNanoMaterials, 2013, 14, .	1.4	13
36	High ordered biomineralization induced by carbon nanoparticles in the sea urchinParacentrotus lividus. Nanotechnology, 2012, 23, 495104.	1.3	14

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37	Role of the Cellular Prion Protein in the Neuron Adaptation Strategy to Copper Deficiency. Cellular and Molecular Neurobiology, 2012, 32, 989-1001.	1.7	13
38	Nanographite assembled films for sensitive NO2 detection. Sensors and Actuators B: Chemical, 2012, 161, 359-365.	4.0	9
39	Stress response induced by carbon nanoparticles in Paracentrotus lividus. International Journal of Molecular and Cellular Medicine, 2012, 1, 30-8.	1.1	9
40	Synthesis and in vitro Cytotoxicity of Glycans-Capped Silver Nanoparticles. Nanomaterials and Nanotechnology, 2011, 1, 10.	1.2	14
41	SERS based optical sensor to detect prion protein in neurodegenerate living cells. Sensors and Actuators B: Chemical, 2011, 156, 479-485.	4.0	16
42	Monitoring of total and bioavailable heavy metals concentration in agricultural soils. Environmental Monitoring and Assessment, 2010, 168, 547-560.	1.3	42
43	Assembly of hybrid silverâ€“titania thin films for gas sensors. Sensors and Actuators B: Chemical, 2010, 145, 794-799.	4.0	11
44	Shape-dependent plasmon resonances of Ag nanostructures. Superlattices and Microstructures, 2010, 47, 66-71.	1.4	11
45	Green synthesis of silver nanoparticles with sucrose and maltose: Morphological and structural characterization. Journal of Non-Crystalline Solids, 2010, 356, 344-350.	1.5	118
46	Experimental results of UV laser cleaning on a silver Carlino coin. Radiation Effects and Defects in Solids, 2010, 165, 643-651.	0.4	5
47	Methodological approach for metal pollution evaluation in sediments collected from the Taranto Gulf. Toxicological and Environmental Chemistry, 2009, 91, 1273-1290.	0.6	18
48	Response of the carotenoidless mutant Rhodobacter sphaeroides growing cells to cobalt and nickel exposure. International Biodeterioration and Biodegradation, 2009, 63, 948-957.	1.9	58
49	Self-assembling of micro-patterned titanium oxide films for gas sensors. Sensors and Actuators B: Chemical, 2009, 140, 563-567.	4.0	9
50	Discrimination between Southern Italy and foreign milk samples using spectroscopic and analytical data. Food Chemistry, 2009, 114, 1559-1563.	4.2	88
51	Non-functionalized silver nanoparticles for a localized surface plasmon resonance-based glucose sensor. Nanotechnology, 2009, 20, 165501.	1.3	56
52	Levels of metals in reared mussels from Taranto Gulf (Ionian Sea, Southern Italy). Food Chemistry, 2008, 107, 890-896.	4.2	45
53	Laser ablation threshold of cultural heritage metals. Radiation Effects and Defects in Solids, 2008, 163, 325-329.	0.4	8
54	Laser ablation threshold of cultural heritage metals. , 2007, , .		0

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55	Organic pollutants (PAHs, PCBs) in sediments from the Mar Piccolo in Taranto (Ionian Sea, Southern) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	178
56	Particulate matter characterization at a coastal site in south-eastern Italy. Journal of Environmental Monitoring, 2006, 8, 183-190.	2.1	17
57	Heavy metals in marine sediments of Taranto Gulf (Ionian Sea, Southern Italy). Marine Chemistry, 2006, 99, 227-235.	0.9	329
58	Distribution and Occurence of Polycyclic Aromatic Hydrocarbons (PAHs) in Sediments from the Mar Grande and Gulf of Taranto (Ionian Sea, Southern Italy). Annali Di Chimica, 2006, 96, 51-64.	0.6	16
59	Heavy Metals in PM10 Sampled in the Urban Area of Campi Salentina (Apulia, Southern Italy). Annali Di Chimica, 2006, 96, 147-157.	0.6	1
60	Natural Sources and Heavy Metals. Annali Di Chimica, 2006, 96, 167-181.	0.6	10
61	Testing the Photosynthetic Bacterium Rhodobacter Sphaeroides as Heavy Metal Removal Tool. Annali Di Chimica, 2006, 96, 195-203.	0.6	39
62	Heavy Metals in Marine Sediments from the Mar Piccolo of Taranto (Ionian Sea, Southern Italy). Annali Di Chimica, 2006, 96, 727-741.	0.6	22
63	Selective laser cleaning of chlorine on ancient coins. , 2006, 6346, 966.		4
64	Characterisation of the geographical origin of buffalo milk and mozzarella cheese by means of analytical and spectroscopic determinations. Food Chemistry, 2005, 89, 139-147.	4.2	126
65	PM-10 and Heavy Metals in Particulate Matter of the Province of Lecce (Apulia, Southern Italy). Annali Di Chimica, 2005, 95, 15-25.	0.6	8
66	Underground Waters Quality in the Province of Lecce (Apulia, Southern Italy). Annali Di Chimica, 2005, 95, 227-237.	0.6	0
67	Geographical origin and breed discrimination of Apulian lamb meat samples by means of analytical and spectroscopic determinations. Meat Science, 2005, 71, 542-548.	2.7	64
68	Distribution and Speciation of Metals in Surface Sediments of Taranto Gulf (Ionian Sea, Southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	17