

Giuseppina Padeletti

List of Publications by Year in descending order

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docs citations

95
times ranked

2962
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver@Hydroxyapatite functionalized calcium carbonate composites: characterization, antibacterial and antibiofilm activities and cytotoxicity. <i>Applied Surface Science</i> , 2022, 586, 152760.	3.1	12
2	Mortars from the Palace of Knossos in Crete, Greece: A Multi-Analytical Approach. <i>Minerals (Basel)</i> , 2021, 11, 1010.	0.8	3
3	Hydroxyapatite Functionalized Calcium Carbonate Composites with Ag Nanoparticles: An Integrated Characterization Study. <i>Nanomaterials</i> , 2021, 11, 2263.	1.9	7
4	Heritage Resilience Against Climate Events on Site - HERACLES Project: Mission and Vision. <i>Communications in Computer and Information Science</i> , 2019, , 360-375.	0.4	6
5	Introducing the HERACLES Ontologyâ€™Semantics for Cultural Heritage Management. <i>Heritage</i> , 2018, 1, 377-391.	0.9	16
6	Resin-Based Materials with Chlorhexidine-Loaded MCM-41: Surface Characteristics, Drug Release, and Antibiofilm Activity. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 4144-4153.	2.6	6
7	The Case Study of the Medieval Town Walls of Gubbio in Italy: First Results on the Characterization of Mortars and Binders. <i>Heritage</i> , 2018, 1, 468-478.	0.9	5
8	GPR surveys for soil and structural investigations at Gubbio town, Italy. , 2018, , .		1
9	Structural Assessment via Ground Penetrating Radar at the Consoli Palace of Gubbio (Italy). <i>Remote Sensing</i> , 2018, 10, 45.	1.8	28
10	HERACLES: EU-backed multinational project on cultural heritage preservation. , 2018, , .		1
11	Transparent Hybrid Films for Stone Conservation and Protection. <i>Research for Development</i> , 2015, , 423-429.	0.2	0
12	Biomimetic Magnetic Silk Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6282-6292.	4.0	52
13	A comparative study of Hispano-Moorish and Italian Renaissance lustred majolicas by using X-ray absorption spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 738-744.	1.6	8
14	Nanoparticles and Nanocomposites in Electrochemical Sensing Area. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 125-129.	0.3	0
15	Diagnostic analysis of stone materials from underwater excavations: the case study of the Roman archaeological site of Baia (Naples, Italy). <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 655-662.	1.1	24
16	Hydrophobizing coatings for cultural heritage. A detailed study of resin/stone surface interaction. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 341-348.	1.1	43
17	Effects of plasma treatments for improving extreme wettability behavior of cotton fabrics. <i>Cellulose</i> , 2014, 21, 741-756.	2.4	88
18	A nanostructured conductive bio-composite of silk fibroinâ€™single walled carbon nanotubes. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1424.	2.9	40

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19	Chitosan films containing mesoporous SBA-15 supported silver nanoparticles for wound dressing. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6054.	2.9	75
20	Magnetic and Morphological Properties of Ferrofluid-Impregnated Hydroxyapatite/Collagen Scaffolds. <i>Science of Advanced Materials</i> , 2014, 6, 2679-2687.	0.1	6
21	Ancient Mercury-Based Plating Methods: Combined Use of Surface Analytical Techniques for the Study of Manufacturing Process and Degradation Phenomena. <i>Accounts of Chemical Research</i> , 2013, 46, 2365-2375.	7.6	48
22	The altarpieces of Della Robbia atelier in Marche region: investigations on technology and provenance. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 1129-1141.	1.1	3
23	Significant findings concerning the production of Italian Renaissance lustred majolica. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 825-833.	1.1	7
24	Ultra Hydrophobic/Superhydrophilic Modified Cotton Textiles through Functionalized Diamond-Like Carbon Coatings for Self-Cleaning Applications. <i>Langmuir</i> , 2013, 29, 2775-2783.	1.6	85
25	Spectroscopic and Morphological Studies of Metal-Organic and Metal-Free Dyes onto Titania Films for Dye-Sensitized Solar Cells. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-11.	1.4	5
26	A brief review of surface-functionalized cotton fabrics. <i>Surface Innovations</i> , 2013, 1, 140-156.	1.4	42
27	The Use of Nano-Particles to Produce Iridescent Metallic Effects on Ancient Ceramic Objects. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8764-8769.	0.9	11
28	Green Synthesis of Gold-Chitosan Nanocomposites for Caffeic Acid Sensing. <i>Langmuir</i> , 2012, 28, 5471-5479.	1.6	123
29	Novel route to high-yield synthesis of sp ² -hybridized boron nitride nanoplates on stainless steel. <i>Journal of Materials Chemistry</i> , 2011, 21, 10268.	6.7	4
30	Effect of composition on mechanical behaviour of diamond-like carbon coatings modified with titanium. <i>Thin Solid Films</i> , 2011, 519, 3061-3067.	0.8	25
31	Influence of PECVD parameters on the properties of diamond-like carbon films. <i>Thin Solid Films</i> , 2011, 519, 4087-4091.	0.8	61
32	Single Walled Carbon Nanotubes (SWCNTs)/Gold Nanoparticles (AuNps) Nanocomposites for Enhancing Electrochemical Response to Detect Neurotransmitters. <i>ECS Transactions</i> , 2010, 25, 33-41.	0.3	3
33	A new light on a first example of lustred majolica in Italy. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 747-761.	1.1	18
34	A scientific approach to the attribution problem of renaissance ceramic productions based on chemical and mineralogical markers. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 771-784.	1.1	14
35	Nanoscale topography of bearing surface in advanced alumina/zirconia hip joint before and after severe exposure in water vapor environment. <i>Journal of Orthopaedic Research</i> , 2010, 28, 762-766.	1.2	23
36	One Step Synthesis of Single Walled Carbon Nanotubes/Gold Nanoparticles (SWCNTs/AuNps) Nanocomposite for Enhancing Electrochemical Response of Neurotransmitters. <i>Sensor Letters</i> , 2010, 8, 441-446.	0.4	1

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37	Gold nanoparticles modified GC electrodes: electrochemical behaviour dependence of different neurotransmitters and molecules of biological interest on the particles size and shape. <i>Journal of Nanoparticle Research</i> , 2009, 11, 1925-1936.	0.8	33
38	Supramolecular Colloidal Systems of Gold Nanoparticles/Amphiphilic Cyclodextrin: a FE-SEM and XPS Investigation of Nanostructures Assembled onto Solid Surface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12772-12777.	1.5	37
39	Physico-chemical analyses of Hispano-Moresque lustred ceramic: a precursor for Italian majolica?. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 11-18.	1.1	17
40	Critical current density of $YBa_{2-x}Cu_{3-y}O_{7-x}$ films with $BaZrO_3$ inclusions on $SrTiO_3$ and Al_2O_3 substrates. <i>Journal of Physics: Conference Series</i> , 2008, 97, 012209.	0.3	15
41	Zirconia primers for corrosion resistant coatings. <i>Surface and Coatings Technology</i> , 2007, 201, 5822-5828.	2.2	85
42	Deposition of Ti-containing diamond-like carbon (DLC) films by PECVD technique. <i>Materials Science and Engineering C</i> , 2007, 27, 1328-1330.	3.8	49
43	Feasibility of enzyme biosensors based on gold nanowires. <i>Materials Science and Engineering C</i> , 2007, 27, 1158-1161.	3.8	23
44	Immobilization of GOD and HRP enzymes on nanostructured substrates. <i>Surface and Interface Analysis</i> , 2006, 38, 478-481.	0.8	27
45	XPS investigation of CoOx-based MRISiC structures for hydrocarbon gas sensing. <i>Surface and Interface Analysis</i> , 2006, 38, 736-739.	0.8	20
46	Lusters of renaissance pottery: Experimental and theoretical optical properties using inhomogeneous theories. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 83, 573-579.	1.1	17
47	First-time observation of Mastro Giorgio masterpieces by means of non-destructive techniques. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 83, 475-483.	1.1	47
48	Third-generation biosensors based on TiO ₂ nanostructured films. <i>Materials Science and Engineering C</i> , 2006, 26, 947-951.	3.8	89
49	Smart (Nano) materials: TiO ₂ nanostructured films to modify electrodes for assembling of new electrochemical probes. <i>Sensors and Actuators B: Chemical</i> , 2005, 111-112, 441-449.	4.0	45
50	Gold nanotubules arrays as new materials for sensing and biosensing: Synthesis and characterization. <i>Sensors and Actuators B: Chemical</i> , 2005, 111-112, 526-531.	4.0	41
51	Lead enrichment at the surface of lead zirconate titanate thin films. <i>Journal of the European Ceramic Society</i> , 2005, 25, 2495-2498.	2.8	23
52	Structural and dielectric properties of ZrTiO ₄ and Zr _{0.8} Sn _{0.2} TiO ₄ deposited by pulsed laser deposition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 118, 87-91.	1.7	14
53	Surface Segregation Mechanisms in Dielectric Thin Films. <i>Integrated Ferroelectrics</i> , 2004, 62, 3-11.	0.3	6
54	Production of gold and ruby-red lustres in Gubbio (Umbria, Italy) during the Renaissance period. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 241-245.	1.1	26

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55	Bismuth knowledge during the Renaissance strengthened by its use in Italian lustres production. Applied Physics A: Materials Science and Processing, 2004, 79, 277-281.	1.1	8
56	Luminescence properties of lustre decorated majolica. Applied Physics A: Materials Science and Processing, 2004, 79, 293-297.	1.1	8
57	Technological study of ancient ceramics produced in Casteldurante (central Italy) during the Renaissance. Applied Physics A: Materials Science and Processing, 2004, 79, 335-339.	1.1	17
58	Microchemical investigation on Renaissance coins minted at Gubbio (Central Italy). Applied Physics A: Materials Science and Processing, 2004, 79, 319-325.	1.1	6
59	Comparison of ZrTiO ₄ films produced by PLD and MOCVD techniques. Surface and Interface Analysis, 2004, 36, 1151-1154.	0.8	2
60	Deposition and characterization of ZrTiO ₄ thin films. Surface and Interface Analysis, 2004, 36, 1159-1162.	0.8	17
61	ZT thin films produced by metal organic-chemical vapour deposition to be used as high-k dielectrics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 109, 104-112.	1.7	6
62	Thermal and microchemical investigation of automotive brake pad wear residues. Thermochimica Acta, 2004, 418, 61-68.	1.2	55
63	Surface Segregation Mechanisms in Ferroelectric Thin Films. , 2003, 11, 139-147.		9
64	Influence of substrate temperature on the chemical and microstructural properties of MO-CVD ZrTiO ₄ thin films. Applied Physics A: Materials Science and Processing, 2003, 76, 801-808.	1.1	3
65	How the masters in Umbria, Italy, generated and used nanoparticles in art fabrication during the Renaissance period. Applied Physics A: Materials Science and Processing, 2003, 76, 515-525.	1.1	65
66	Italian Renaissance and Hispano-Moresque lustre-decorated majolicas: imitation cases of Hispano-Moresque style in central Italy. Applied Physics A: Materials Science and Processing, 2003, 77, 125-133.	1.1	23
67	High direct energy band gaps determination in In _x Al _{1-x} As coherently grown on InP. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 243.	1.6	3
68	Technological investigation of luster decorated ancient majolicas. Materials Research Society Symposia Proceedings, 2002, 712, 841.	0.1	2
69	Influence of growth parameters on properties of electroceramic thin films grown via MO-CVD. Materials Science in Semiconductor Processing, 2002, 5, 105-114.	1.9	3
70	Heterogeneous distribution of metal nanocrystals in glazes of historical pottery. Applied Surface Science, 2002, 185, 206-216.	3.1	92
71	Factors determining preferential sputtering in InGaAs system: angle-resolved small-area XPS investigation. Surface and Interface Analysis, 2002, 34, 266-270.	0.8	6
72	Microchemical and micromorphological features of gunshot residue observed by combined use of AFM, SA-XPS and SEM + EDS. Surface and Interface Analysis, 2002, 34, 502-506.	0.8	13

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73	The use of small angle X-ray scattering (SAXS) for the characterisation of lustre surfaces in Renaissance majolica. <i>Applied Surface Science</i> , 2002, 185, 309-316.	3.1	19
74	Structural and morphological characterisation of ruthenium phthalocyanine films by energy dispersive X-ray diffraction and atomic force microscopy. <i>Thin Solid Films</i> , 2001, 382, 74-80.	0.8	20
75	Zirconium tin titanate thin films via aqueous polymeric precursor route. <i>Materials Science and Engineering C</i> , 2001, 15, 211-213.	3.8	6
76	Evaluation of structural and adhesive properties of nylon 6 and PTFE alignment films by means of atomic force microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2000, 71, 571-576.	1.1	4
77	Surface morphology of pulsed laser deposited $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and $\text{NdBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films on SrTiO_3 substrates. <i>Superconductor Science and Technology</i> , 2000, 13, 1492-1498.	1.8	20
78	The effect of pretreatments with siloxanes on the corrosion resistance of aluminium in NaCl solution. <i>Surface and Coatings Technology</i> , 1999, 111, 240-246.	2.2	32
79	Growth of Ge layers on Si(100) monitored by in situ ellipsometry. <i>Thin Solid Films</i> , 1998, 315, 49-56.	0.8	8
80	Electrical and morphological characterisation of new TiE -conjugated polymer films as gas sensors. <i>Materials Science and Engineering C</i> , 1998, 5, 217-221.	3.8	14
81	Atomic force microscopy study of the morphological modifications induced by laser processing of $\text{Si}_{1-x}\text{Ge}_x/\text{Si}$ samples. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1998, 16, 1762.	1.6	5
82	Thermal and excimer laser assisted growth of $\text{Si}_{1-x}\text{Ge}_x$ alloys from Si_2H_6 and GeH_4 monitored by on line single wavelength ellipsometry and ex situ atomic force microscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1998, 16, 644-652.	0.9	0
83	Precise and Smooth Removal from Polymer Surfaces by VUV Excimer Laser Ablation at 157 nm: PMMA.. <i>Materials Research Society Symposia Proceedings</i> , 1998, 544, 3.	0.1	2
84	Use of Ptf Alignment Layers in Passive Addressed Ssflc Displays. <i>Molecular Crystals and Liquid Crystals</i> , 1997, 304, 357-362.	0.3	4
85	Combined use of thermal and surface analyses. <i>Journal of Thermal Analysis</i> , 1996, 47, 263-272.	0.7	4
86	Segregation aspects at the fracture surfaces of 8 wt.% yttria-zirconia thermal barrier coatings. <i>Surface and Interface Analysis</i> , 1994, 21, 450-454.	0.8	35
87	Small-area XPS investigation on ion-induced chemical modifications during depth-profiling of an $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ structure. <i>Surface and Interface Analysis</i> , 1994, 22, 31-35.	0.8	3
88	Small-area XPS and XAES study of the iron ore smelting process. <i>Surface and Interface Analysis</i> , 1994, 22, 614-619.	0.8	10
89	Quantitative analysis of $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$ multiquantum wells by means of AES depth profiling and small area XPS. <i>Applied Surface Science</i> , 1993, 70-71, 89-93.	3.1	7
90	A microstructural study of crystalline defects in $\text{PbSe}/\text{BaF}_2/\text{CaF}_2$ on (111) Si grown by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 1993, 132, 241-249.	0.7	27

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91	A study of PbSe heteroepitaxy on Si(111) for IR optoelectronic applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1993, 21, 317-320.	1.7	4
92	X-ray photoelectron spectroscopy and secondary-ion mass spectrometry of boron nitride thin films on austenitic stainless steel. Thin Solid Films, 1993, 228, 276-279.	0.8	12
93	XPS investigation on vacuum thermal desorption of UV/ozone treated GaAs(100) surfaces. Applied Surface Science, 1992, 56-58, 81-88.	3.1	87
94	Auger sputtering profiling of an Al _{0.3} Ga _{0.7} As/GaAs superlattice grown by molecular beam epitaxy. Applied Surface Science, 1992, 56-58, 708-712.	3.1	8