Angelo Agostino

List of Publications by Year
in descending order

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86	1,283	430442	414034
papers	citations	18 h-index	32 g-index

86	86	86	1083
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterisation of colourants on illuminated manuscripts by portable fibre optic UV-visible-NIR reflectance spectrophotometry. Analytical Methods, 2014, 6, 1488.	1.3	247
2	First analytical evidences of precious colourants on Mediterranean illuminated manuscripts. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 235-245.	2.0	66
3	Non invasive analysis of miniature paintings: Proposal for an analytical protocol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 91, 352-359.	2.0	48
4	A diagnostic study on folium and orchil dyes with non-invasive and micro-destructive methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 159-168.	2.0	43
5	The Vercelli Gospels laid open: an investigation into the inks used to write the oldest Gospels in Latin. X-Ray Spectrometry, 2008, 37, 286-292.	0.9	39
6	Influence of speciation distribution and particle size on heavy metal leaching from MSWI fly ash. Waste Management, 2022, 138, 318-327.	3.7	38
7	Non-invasive investigation on a VI century purple codex from Brescia, Italy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 34-41.	2.0	37
8	Non-invasive differentiation between natural and synthetic ultramarine blue pigments by means of 250â€“900 nm FORS analysis. Analytical Methods, 2013, 5, 4184.	1.3	31
9	Evidence for the degradation of an alloy pigment on an ancient Italian manuscript. Journal of Raman Spectroscopy, 2006, 37, 1160-1170.	1.2	27
10	Analytical investigations on the Coronation Gospels manuscript. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 213-221.	2.0	26
11	Growth, contacting and ageing of superconducting Bi-2212 whiskers. Superconductor Science and Technology, 2002, 15, 1304-1310.	1.8	25
12	Control of the oxygen doping in Bi-2212 whiskers by means of their synthesis process. Superconductor Science and Technology, 2009, 22, 085011.	1.8	23
13	Evidence of ion diffusion at room temperature in microcrystals of the Bi2Sr2CaCu2O8+Î´ superconductor. Applied Physics Letters, 2005, 86, 213116.	1.5	22
14	Î¼â€EXAFS, Î¼â€XRF, and Î¼â€PL Characterization of a Multiâ€Quantumâ€Well Electroabsorption Modulated Laser Realized via Selective Area Growth. Small, 2011, 7, 930-938.	5.2	21
15	Magnetic shielding efficiency of superconducting/ferromagnetic systems. Superconductor Science and Technology, 2012, 25, 115013.	1.8	21
16	Doping Change in the Bi-2212 Superconductor Directly Induced by a Hard X-ray Nanobeam. Nano Letters, 2014, 14, 1583-1589.	4.5	21
17	Study of epitaxial selective area growth In1â^'xGaxAs films by synchrotron Î¼-XRF mapping. Journal of Analytical Atomic Spectrometry, 2010, 25, 831.	1.6	20
18	Image separation and geometric characterisation of mud flocs. Journal of Hydrology, 2006, 326, 325-348.	2.3	18

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19	Structural Characterization of Multiâ€Quantum Wells in Electroabsorptionâ€Modulated Lasers by using Synchrotron Radiation Micrometerâ€Beams. Advanced Materials, 2010, 22, 2050-2054.	11.1	18
20	Microwave Synthesis of Fullerene-Doped MgB₂. Industrial & Engineering Chemistry Research, 2012, 51, 11005-11010.	1.8	17
21	DC Shielding Properties of Coaxial $hbox{MgB}_{2}/ hbox{Fe}$ Cups. IEEE Transactions on Applied Superconductivity, 2013, 23, 8201305-8201305.	1.1	17
22	Superconducting and hybrid systems for magnetic field shielding. Superconductor Science and Technology, 2016, 29, 034004.	1.8	17
23	CARBON INFLUENCE IN THE SYNTHESIS OF MgB2 BY A MICROWAVE METHOD. International Journal of Modern Physics B, 2003, 17, 773-778.	1.0	16
24	Synchrotron study of oxygen depletion in a Bi-2212 whisker annealed at 363â€...K. Journal of Synchrotron Radiation, 2009, 16, 813-817.	1.0	15
25	Direct-Write X-ray Nanopatterning: A Proof of Concept Josephson Device on Bi₂Sr₂CaCu₂O_{8+Î´} Superconducting Oxide. Nano Letters, 2016, 16, 1669-1674.	4.5	15
26	Reliability of portable X-ray Fluorescence for the chemical characterisation of ancient corroded copperâ€tin alloys. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 146, 41-49.	1.5	15
27	Electrical study of an unusual phase transformation in a Bi2Sr2Ca2Cu3O10+xwhisker at room temperature. Superconductor Science and Technology, 2006, 19, 1003-1009.	1.8	14
28	Identification of copper carboxylates as degradation residues on an ancient manuscript. Journal of Raman Spectroscopy, 2010, 41, 1434-1440.	1.2	14
29	Magnetic Characterization of MgB2 Bulk Superconductor for Magnetic Field Mitigation Solutions. Journal of Superconductivity and Novel Magnetism, 2011, 24, 307-312.	0.8	14
30	Local Magnetic Investigations of ${m MgB}_{2}$ Bulk Samples for Magnetic Shielding Applications. IEEE Transactions on Applied Superconductivity, 2011, 21, 3146-3149.	1.1	14
31	Compositional analysis of a historical collection of Cisalpine Gaul's coins kept at the Hungarian National Museum. Journal of Analytical Atomic Spectrometry, 2015, 30, 730-737.	1.6	14
32	Characterisation of the different hands in the composition of a 14th century breviary by means of portable XRF analysis and complementary techniques. X-Ray Spectrometry, 2017, 46, 259-270.	0.9	13
33	Bi-2212 and Y123 highly curved single-crystal-like objects: whiskers, bows and ring-like structures. Superconductor Science and Technology, 2012, 25, 105003.	1.8	12
34	Identification of colorants on XVIII century scientific handâ€coloured print volumes. Journal of Raman Spectroscopy, 2012, 43, 1722-1728.	1.2	12
35	The mural paintings of Ala di Stura (Piedmont, Italy): a hidden treasure investigated. Journal of Raman Spectroscopy, 2012, 43, 1754-1760.	1.2	12
36	Maskless X-Ray Writing of Electrical Devices on a Superconducting Oxide with Nanometer Resolution and Online Process Monitoring. Scientific Reports, 2017, 7, 9066.	1.6	12

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37	Electrical transport effects due to oxygen content modifications in a Bi2Sr2CaCu2O8+Î´superconducting whisker. Superconductor Science and Technology, 2007, 20, 667-671.	1.8	11
38	Na Substitution Effects on ${m MgB}_{2}$ Synthesized With a Microwave-Assisted Technique. IEEE Transactions on Applied Superconductivity, 2007, 17, 2774-2777.	1.1	11
39	Non-invasive characterization through X-ray fluorescence and neutron radiography of an ancient Japanese lacquer. Archaeological and Anthropological Sciences, 2013, 5, 197-204.	0.7	11
40	Y Ba2Cu3O7synthesis using microwave heating. Superconductor Science and Technology, 2004, 17, 685-688.	1.8	10
41	Insight into non-linearly shaped superconducting whiskers via a synchrotron nanoprobe. Superconductor Science and Technology, 2012, 25, 125002.	1.8	10
42	Effect of selective area growth mask width on multi-quantum-well electroabsorption modulated lasers investigated by synchrotron radiation X-ray microprobe. Nuclear Instruments & Methods in Physics Research B, 2012, 284, 6-9.	0.6	10
43	Oxygen doping tuning in superconducting oxides by thermal annealing and hard X-ray irradiation. Journal of Electron Spectroscopy and Related Phenomena, 2017, 220, 69-75.	0.8	10
44	The Messale Rosselli: Scientific investigation on an outstanding 14th century illuminated manuscript from Avignon. Journal of Archaeological Science: Reports, 2019, 23, 721-730.	0.2	10
45	Monte Carlo analysis of the oxygen knock-on effects induced by synchrotron x-ray radiation in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi	0.9	10
46	Effects of Annealing and Nanoparticle Doping on Electrical Properties of ${m MgB}_{2}$ Bulks Grown by Reactive Mg Liquid Infiltration Technique. IEEE Transactions on Applied Superconductivity, 2009, 19, 3524-3528.	1.1	9
47	Potentialities of X-ray fluorescence analysis in numismatics: the case study of pre-Roman coins from Cisalpine Gaul. Archaeological and Anthropological Sciences, 2018, 10, 431-438.	0.7	9
48	Possible dominance of the Makiâ€“Thompson process in the fluctuation conductivity of Bi-2212 superconducting whiskers. Journal of Physics Condensed Matter, 2006, 18, 8295-8312.	0.7	8
49	On the identification of folium and orchil on illuminated manuscripts. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 461-469.	2.0	8
50	Accuracy improvement by means of porosity assessment and standards optimization in SEM-EDS and XRF elemental analyses on archaeological and historical pottery and porcelain. Journal of Archaeological Science: Reports, 2017, 12, 54-65.	0.2	7
51	Mythic dyes or mythic colour? New insight into the use of purple dyes on codices. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 215, 133-141.	2.0	7
52	A fast non-invasive method for preliminary authentication of mediaeval glass enamels using UVâ€“visibleâ€“NIR diffuse reflectance spectrophotometry. Journal of Cultural Heritage, 2020, 45, 33-40.	1.5	7
53	Annealing temperature dependence of the 2223 phase volume fraction in the Biâ€“Srâ€“Caâ€“Cuâ€“O system. Physica C: Superconductivity and Its Applications, 2001, 353, 184-194.	0.6	6
54	Crystalline instability of Bi-2212 superconducting whiskers near room temperature. Applied Physics A: Materials Science and Processing, 2009, 95, 479-484.	1.1	6

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55	Tailoring the Local Conductivity of TiO₂ by Xâ€Ray Nanobeam Irradiation. Advanced Electronic Materials, 2019, 5, 1900129.	2.6	6
56	Microwave Synthesis Of MgB₂ Superconductor. Materials Research Innovations, 2004, 8, 75-77.	1.0	5
57	17 keV photon induced damage of Bi-2212 whiskers by synchrotron Î¼-beam exposure. Superconductor Science and Technology, 2011, 24, 035009.	1.8	5
58	An in situ non-invasive study of two Tibetan manuscripts from the Asian Collection of the Museum of Natural History in Florence. Archaeological and Anthropological Sciences, 2018, 10, 1881-1901.	0.7	5
59	Non-Invasive Study on the Sinope Gospels. Heritage, 2020, 3, 1269-1278.	0.9	5
60	Preparation Of Germanium Monosulfide Particles By Microwave Assisted Sublimation. Materials Research Innovations, 2004, 8, 41-43.	1.0	4
61	Size-dependent resistivity in a micro-processed YBa2Cu3O7â˜Î´superconducting whisker. Superconductor Science and Technology, 2009, 22, 045011.	1.8	4
62	Photoconductivity effects in mixed-phase BSCCO whiskers. Superconductor Science and Technology, 2012, 25, 105010.	1.8	4
63	Al doping influence on crystal growth, structure and superconducting properties of Y(Ca)Ba2Cu3O7â˜y whiskers. Journal of Alloys and Compounds, 2013, 551, 19-23.	2.8	4
64	XRF Characterization Of 18th Century Piedmontese Porcelains From The Palazzo Madama Museum (Torino, Italy). Archaeometry, 2016, 58, 765-778.	0.6	4
65	Structural and functional modifications induced by X-ray nanopatterning in Bi-2212 single crystals. CrystEngComm, 2018, 20, 6667-6676.	1.3	4
66	Mapping of Structural Changes Induced by X-ray Nanopatterning via Nano-X-ray Diffraction and Corresponding Electrical Effects. Crystal Growth and Design, 2021, 21, 3299-3309.	1.4	4
67	On the Hierarchical Use of Colourants in a 15th Century Book of Hours. Heritage, 2021, 4, 1786-1806.	0.9	4
68	Sintered and 3D-Printed Bulks of MgB2-Based Materials with Antimicrobial Properties. Molecules, 2021, 26, 6045.	1.7	4
69	The dependence of the crystal structure of YBa2Cu3O7$minus$x on the starting barium compounds. Superconductor Science and Technology, 2002, 15, 902-906.	1.8	3
70	Effects of Nanoparticle Doping on Electrical Properties of ${m MgB}_{2}$ Bulks and Wires Obtained by Reactive Mg Liquid Infiltration Technique. IEEE Transactions on Applied Superconductivity, 2007, 17, 2726-2729.	1.1	3
71	Magnetic Shielding Properties of MgB2Fe Superimposed Systems. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1513-1516.	0.8	3
72	The miniatures of the Vienna Genesis: colour identification and paintersâ€™ palettes. , 2020, , 201-246.		3

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73	New evidence of non-traditional Egyptian blue manufacture in the 6th century Ashburnham Pentateuch. Journal of Archaeological Science: Reports, 2020, 33, 102487.	0.2	3
74	Antimicrobial Activity of MgB2 Powders Produced via Reactive Liquid Infiltration Method. Molecules, 2021, 26, 4966.	1.7	3
75	Effect of Al and Ca co-doping, in the presence of Te, in superconducting YBCO whiskers growth. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 702-708.	0.5	2
76	A study of YBa₂Cu₃O_x films grown by metal-organic deposition on different substrates. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 1105-1111.	0.6	1
77	Nb/Al STJ detectors with sub-nA subgap current. Physica C: Superconductivity and Its Applications, 2006, 435, 103-106.	0.6	1
78	Photoconductivity experiments on superconducting Bi2Sr2CaCu2O8+xwhiskers. Superconductor Science and Technology, 2007, 20, 721-727.	1.8	1
79	Analysis of Industrial Glass by Portable Âµ-EDXRF. Advanced Materials Research, 0, 39-40, 559-562.	0.3	1
80	X-ray crystal structures of Al-doped (Y,Ca)Ba2Cu3O7âˆ’ywhiskers. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 236-242.	0.5	1
81	Multiâ€Technique Characterization of Adhesives Used in Medieval Jewellery. Archaeometry, 2017, 59, 1105-1118.	0.6	1
82	From the Pyrenees to the Alps: Evidence of the use of aerinite on XII century fresco paintings at Novalesa abbey (Piemonte). Journal of Archaeological Science: Reports, 2019, 25, 15-24.	0.2	1
83	Superconducting tunnel junction x-ray detectors with ultra-low subgap current. , 2007, , .		0
84	5. Structural and electronic characterization of nanosized inorganic materials by X-ray absorption spectroscopies. , 0, , .		0
85	A study of YBa 2 Cu 3 O x films grown by metal-organic deposition on different substrates. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 1105-1111.	0.6	0
86	Tuning the functional properties of YBa2Cu3O7-Î´ by synchrotron X-ray irradiation. , 2019, , .		0