

Laura E Depero

List of Publications by Year in descending order

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282
papers

7,368
citations

57631

44
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110170

64
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287
all docs

287
docs citations

287
times ranked

8529
citing authors

#	ARTICLE	IF	CITATIONS
1	WO ₃ sputtered thin films for NO _x monitoring. <i>Sensors and Actuators B: Chemical</i> , 1995, 26, 89-92.	4.0	238
2	Recyclable SERS Substrates Based on Au-Coated ZnO Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2557-2563.	4.0	226
3	Review of fly ash inertisation treatments and recycling. <i>Environmental Chemistry Letters</i> , 2014, 12, 153-175.	8.3	182
4	A sustainable bioplastic obtained from rice straw. <i>Journal of Cleaner Production</i> , 2018, 200, 357-368.	4.6	160
5	Characterization of A Polymeric Adsorbed Coating for DNA Microarray Glass Slides. <i>Analytical Chemistry</i> , 2004, 76, 1352-1358.	3.2	132
6	Recycling of pre-stabilized municipal waste incinerator fly ash and soda-lime glass into sintered glass-ceramics. <i>Journal of Cleaner Production</i> , 2015, 89, 224-230.	4.6	97
7	Oxidation of Sn Thin Films to SnO ₂ . Micro-Raman Mapping and X-ray Diffraction Studies. <i>Journal of Materials Research</i> , 1998, 13, 2457-2460.	1.2	93
8	Synthesis and optical properties of nanosized powders: lanthanide-doped Y ₂ O ₃ . <i>Applied Surface Science</i> , 1999, 144-145, 686-689.	3.1	90
9	High-temperature structures of poly(p-hydroxybenzoic acid). <i>Macromolecules</i> , 1990, 23, 1793-1799.	2.2	88
10	The structural basis of transitions between highly ordered smectic phases in semifluorinated alkanes. <i>Liquid Crystals</i> , 1989, 5, 1783-1788.	0.9	82
11	A new method for municipal solid waste incinerator (MSWI) fly ash inertization, based on colloidal silica. <i>Journal of Environmental Monitoring</i> , 2010, 12, 2093.	2.1	79
12	Metal fractionation in soils and assessment of environmental contamination in Vallecmonica, Italy. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5067-5075.	2.7	76
13	X-ray diffraction Debye Ring Analysis for Stress measurement (DRAST): a new method to evaluate residual stresses. <i>Acta Materialia</i> , 2004, 52, 583-589.	3.8	74
14	Thermomechanical behavior of surface acoustic waves in ordered arrays of nanodisks studied by near-infrared pump-probe diffraction experiments. <i>Physical Review B</i> , 2007, 76, .	1.1	72
15	A novel method for the preparation of nanosized TiO ₂ thin films. <i>Advanced Materials</i> , 1996, 8, 334-337.	11.1	70
16	Variations in the Extent of Pyrochlore-Type Cation Ordering in Ce ₂ Zr ₂ O ₈ : A Γ_4^- Pathway to Low-Temperature Reduction. <i>Chemistry of Materials</i> , 2005, 17, 1157-1166.	3.2	70
17	Miniaturized Near-Infrared (MicroNIR) Spectrometer in Plastic Waste Sorting. <i>Materials</i> , 2019, 12, 2740.	1.3	69
18	Young modulus and Poisson ratio measurements of TiO ₂ thin films deposited with Atomic Layer Deposition. <i>Surface and Coatings Technology</i> , 2012, 206, 2459-2463.	2.2	67

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19	Waste silica sources as heavy metal stabilizers for municipal solid waste incineration fly ash. <i>Arabian Journal of Chemistry</i> , 2017, 10, S3676-S3681.	2.3	66
20	Chemical Stabilization of Municipal Solid Waste Incineration Fly Ash without Any Commercial Chemicals: First Pilot-Plant Scaling Up. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5561-5569.	3.2	65
21	Sub-ppm NO ₂ sensors based on nanosized thin films of titanium-tungsten oxides. <i>Sensors and Actuators B: Chemical</i> , 1996, 31, 89-92.	4.0	64
22	Vanadyl Precursors Used to Modify the Properties of Vanadium Oxide Thin Films Obtained by Chemical Vapor Deposition. <i>Journal of the Electrochemical Society</i> , 1999, 146, 551-558.	1.3	63
23	Columnar Fe ₂ O ₃ arrays via plasma-enhanced growth: Interplay of fluorine substitution and photoelectrochemical properties. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14189-14199.	3.8	63
24	Multi-element analysis of vegetal foodstuff by means of low power total reflection X-ray fluorescence (TXRF) spectrometry. <i>Food Chemistry</i> , 2017, 218, 348-355.	4.2	61
25	Preparation and micro-structural characterization of nanosized thin film of TiO ₂ -WO ₃ as a novel material with high sensitivity towards NO ₂ . <i>Sensors and Actuators B: Chemical</i> , 1996, 36, 381-383.	4.0	60
26	Total reflection of x-ray fluorescence (TXRF): a mature technique for environmental chemical nanoscale metrology. <i>Measurement Science and Technology</i> , 2009, 20, 084027.	1.4	60
27	A critical comparison between XRD and FIB residual stress measurement techniques in thin films. <i>Thin Solid Films</i> , 2014, 572, 224-231.	0.8	58
28	Tailoring the Pore Size and Architecture of CeO ₂ /TiO ₂ Core/Shell Inverse Opals by Atomic Layer Deposition. <i>Small</i> , 2009, 5, 336-340.	5.2	57
29	Total reflection X-ray fluorescence as a tool for food screening. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 113, 1-15.	1.5	57
30	Sol-gel TiO ₂ and W/TiO ₂ nanostructured thin films for control of drunken driving. <i>Sensors and Actuators B: Chemical</i> , 2002, 83, 230-237.	4.0	56
31	Niobium-titanium oxide powders obtained by laser-induced synthesis: Microstructure and structure evolution from diffraction data. <i>Journal of Materials Research</i> , 1998, 13, 1644-1649.	1.2	55
32	Structural Studies of Tungsten-Titanium Oxide Thin Films. <i>Journal of Solid State Chemistry</i> , 1996, 121, 379-387.	1.4	54
33	Surface reactivity of nanostructured tin oxide and Pt-doped tin oxide as studied by EPR and XPS spectroscopies. <i>Materials Science and Engineering C</i> , 2001, 15, 167-169.	3.8	54
34	Metal-free organic sensitizers with a sterically hindered thiophene unit for efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 13785.	6.7	54
35	Triggering and Monitoring Plasmon-Enhanced Reactions by Optical Nanoantennas Coupled to Photocatalytic Beads. <i>Small</i> , 2013, 9, 3301-3307.	5.2	54
36	Microstructure and morphology of tin dioxide multilayer thin film gas sensors. <i>Sensors and Actuators B: Chemical</i> , 1997, 44, 268-274.	4.0	51

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37	Embodied energy as key parameter for sustainable materials selection: The case of reusing coal fly ash for removing anionic surfactants. <i>Journal of Cleaner Production</i> , 2017, 141, 230-236.	4.6	50
38	CVD of Lanthanum Oxyfluoride-Based Thin Films from a Lanthanum β -Diketonate Diglyme Precursor. <i>Chemical Vapor Deposition</i> , 2005, 11, 426-432.	1.4	48
39	A study of the structural and mechanical properties of Ti=MoS ₂ coatings deposited by closed field unbalanced magnetron sputter ion plating. <i>Surface and Coatings Technology</i> , 1999, 116-119, 176-183.	2.2	47
40	Reproducibility in X-ray reflectometry: results from the first world-wide round-robin experiment. <i>Journal of Applied Crystallography</i> , 2008, 41, 143-152.	1.9	47
41	The fine structure of the Cu ₂ p _{3/2} X-ray photoelectron spectra of copper oxide based compounds. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1992, 58, 315-323.	0.8	46
42	Morphology and microstructural properties of TiO ₂ nanopowders doped with trivalent Al and Ga cations. <i>Journal of Materials Research</i> , 2000, 15, 2080-2086.	1.2	46
43	Microwave generated nanocomposites for making insoluble drugs soluble. <i>Materials Science and Engineering C</i> , 2003, 23, 791-795.	3.8	46
44	All-oxide Raman-Active Traps for Light and Matter: Probing Redox Homeostasis Model Reactions in Aqueous Environment. <i>Small</i> , 2014, 10, 1294-1298.	5.2	46
45	Temperature effects on the size of anatase crystallites in Mo γ -TiO ₂ and W γ -TiO ₂ powders. <i>Sensors and Actuators B: Chemical</i> , 1996, 31, 25-28.	4.0	45
46	Colloidal lenses as universal Raman scattering enhancers. <i>RSC Advances</i> , 2014, 4, 38152-38158.	1.7	45
47	Synthesis and Structural Characterization of Trimetallic Perovskite-Type Rare-Earth Orthoferrites, La _x Sm _{1-x} FeO ₃ . <i>Journal of the American Ceramic Society</i> , 2000, 83, 1087-1092.	1.9	44
48	Cr-inserted TiO ₂ thin films for chemical gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2007, 128, 312-319.	4.0	44
49	Use of colloidal silica to obtain a new inert from municipal solid waste incinerator (MSWI) fly ash: first results about reuse. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 291-297.	2.1	44
50	Nanostructured Pt-Doped Tin Oxide Films: Sol-Gel Preparation, Spectroscopic and Electrical Characterization. <i>Chemistry of Materials</i> , 2001, 13, 4355-4361.	3.2	43
51	A new non-destructive method for chemical analysis of particulate matter filters: The case of manganese air pollution in Vallecamonica (Italy). <i>Talanta</i> , 2011, 84, 192-198.	2.9	43
52	Use of total reflection X-ray fluorescence (TXRF) for the evaluation of heavy metal poisoning due to the improper use of a traditional ayurvedic drug. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 787-790.	1.4	42
53	A new method to inertize incinerator toxic fly ash with silica from rice husk ash. <i>Environmental Chemistry Letters</i> , 2013, 11, 329-333.	8.3	42
54	Novel selective ethanol sensors: W/TiO ₂ thin films by sol-gel spin-coating. <i>Sensors and Actuators B: Chemical</i> , 2003, 93, 495-502.	4.0	40

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55	1B/(â)IRE DMT1 Expression during Brain Ischemia Contributes to Cell Death Mediated by NF-ÎB/RelA Acetylation at Lys310. PLoS ONE, 2012, 7, e38019.	1.1	40
56	Growth and microstructural analysis of nanosized Y2O3 doped with rare-earths. Materials Chemistry and Physics, 2000, 66, 164-171.	2.0	39
57	A biofunctional polymeric coating for microcantilever molecular recognition. Analytica Chimica Acta, 2008, 630, 161-167.	2.6	39
58	Supported Îµ and Î² iron oxide nanomaterials by chemical vapor deposition: structure, morphology and magnetic properties. CrystEngComm, 2013, 15, 1039-1042.	1.3	39
59	An XPS study of yttria-stabilised zirconia single crystals. Journal of Electron Spectroscopy and Related Phenomena, 1993, 63, 1-10.	0.8	38
60	Study of the anatase-rutile transformation in TiO ₂ powders obtained by laser-induced synthesis. Journal of Materials Research, 1993, 8, 2709-2715.	1.2	38
61	Glancing-incidence X-ray diffraction for depth profiling of polycrystalline layers. Journal of Applied Crystallography, 2006, 39, 176-179.	1.9	38
62	Airborne particulate matter (PM) filter analysis and modeling by total reflection X-ray fluorescence (TXRF) and X-ray standing wave (XSW). Talanta, 2012, 89, 99-104.	2.9	38
63	Optical and morphological characterization of Si nanocrystals/silica composites prepared by sol-gel processing. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 79, 55-62.	1.7	37
64	Nanocrystalline SnO ₂ -Based Thin Films Obtained by Sol-Gel Route: A Morphological and Structural Investigation. Chemistry of Materials, 2003, 15, 2646-2650.	3.2	37
65	A proper Anderson Hamiltonian treatment of the 3s photoelectron spectra of MnO, FeO, CoO and NiO. Chemical Physics Letters, 1995, 245, 463-468.	1.2	36
66	Electrical and structural properties of RGTO-In ₂ O ₃ sensors for ozone detection. Sensors and Actuators B: Chemical, 1999, 57, 188-191.	4.0	36
67	Thin Films of Bismuth Vanadates with Modifiable Conduction Properties. Chemistry of Materials, 1999, 11, 255-261.	3.2	35
68	Structural study of La _{Nix} Fe _{1-x} O ₃ prepared from precursor salts. Journal of the European Ceramic Society, 2003, 23, 2135-2142.	2.8	35
69	Microstructural Study of Vanadium-Titanium Oxide Powders Obtained by Laser-Induced Synthesis. Journal of Solid State Chemistry, 1994, 111, 247-252.	1.4	34
70	Influence of the completion of oxidation on the long-term response of RGTO SnO ₂ gas sensors. Sensors and Actuators B: Chemical, 2000, 66, 40-42.	4.0	34
71	Residual stress analysis of thin films and coatings through XRD experiments. Thin Solid Films, 2004, 450, 143-147.	0.8	34
72	Using plasmonic heating of gold nanoparticles to generate local SER(S)-active TiO ₂ spots. Chemical Communications, 2009, , 2359.	2.2	34

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73	Using aggregates of gold nanorods in SER(R)S experiments: an empirical evaluation of some critical aspects. <i>Nanotechnology</i> , 2010, 21, 425701.	1.3	33
74	Probing the spatial extension of light trapping-induced enhanced Raman scattering in high-density Si nanowire arrays. <i>Nanotechnology</i> , 2014, 25, 465705.	1.3	33
75	An X-ray study of the trimetallic $\text{La}_{1-x}\text{Sm}_x\text{FeO}_3$ orthoferrites. <i>Journal of the European Ceramic Society</i> , 2001, 21, 719-726.	2.8	32
76	MAPLE deposition of biomaterial multilayers. <i>Applied Surface Science</i> , 2008, 254, 7143-7148.	3.1	32
77	Microstructure and elastic properties of atomic layer deposited TiO_2 anatase thin films. <i>Acta Materialia</i> , 2011, 59, 2891-2900.	3.8	32
78	Structural Disorder and Ionic Conduction: The Case of Bi_2O_3 . <i>Journal of Solid State Chemistry</i> , 1996, 122, 439-443.	1.4	31
79	First Total Reflection X-Ray Fluorescence round-robin test of water samples: Preliminary results. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 101, 6-14.	1.5	31
80	Elemental analysis of tree leaves by total reflection X-ray fluorescence: New approaches for air quality monitoring. <i>Chemosphere</i> , 2017, 178, 504-512.	4.2	31
81	On the non-local screening mechanisms in the 2p photoelectron spectra of NiO and La_2NiO_4 . <i>Solid State Communications</i> , 1997, 103, 421-424.	0.9	30
82	A simple solution to systematic errors in density determination by X-ray reflectivity: The XRR-density evaluation (XRR-DE) method. <i>Applied Surface Science</i> , 2006, 253, 28-32.	3.1	30
83	Biomaterial thin film deposition and characterization by means of MAPLE technique. <i>Materials Science and Engineering C</i> , 2007, 27, 1185-1190.	3.8	30
84	Laser-induced modification of polymeric beads coated with gold nanoparticles. <i>Nanotechnology</i> , 2008, 19, 305301.	1.3	30
85	In Situ Plasmon-Heating-Induced Generation of Au/TiO_2 "Hot Spots" on Colloidal Crystals. <i>ChemPhysChem</i> , 2009, 10, 1017-1022.	1.0	30
86	Increased Sustainability of Carbon Dioxide Mineral Sequestration by a Technology Involving Fly Ash Stabilization. <i>Materials</i> , 2019, 12, 2714.	1.3	30
87	A photoelectron spectroscopy study of sub-monolayer interfaces annealed from 300 up to 623 K. <i>Surface Science</i> , 1997, 380, 311-323.	0.8	29
88	Can electron paramagnetic resonance measurements predict the electrical sensitivity of SnO_2 -based film?. <i>Applied Magnetic Resonance</i> , 2002, 22, 89-100.	0.6	29
89	Study of ancient mortars from the Roman Villa of Pollio Felice in Sorrento (Naples). <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 341-345.	1.1	29
90	Melting of Nanostructured Drugs Embedded into a Polymeric Matrix. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15488-15493.	1.2	29

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91	Atomic force microscopy evaluation of the effects of a novel antimicrobial multimeric peptide on <i>Pseudomonas aeruginosa</i> . <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2007, 3, 198-207.	1.7	29
92	Elemental analysis of teas, herbs and their infusions by means of total reflection X-ray fluorescence. <i>Journal of Food Composition and Analysis</i> , 2018, 67, 128-134.	1.9	29
93	Butadiene polymerization with lanthanide catalysts: activity and X-ray diffraction study of neodymium bromide complexes with basic ligands. <i>Polymer</i> , 1988, 29, 1516-1521.	1.8	28
94	A Ru(II) η^3 -Allylic Complex as a Novel Precursor for the CVD of Ru- and RuO ₂ -Nanostructured Thin Films. <i>Langmuir</i> , 1999, 15, 4537-4543.	1.6	28
95	Analytical performance of benchtop total reflection X-ray fluorescence instrumentation for multielemental analysis of wine samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 120, 37-43.	1.5	28
96	Spectroscopic characterisation of alternate current electroluminescent devices based on ZnS:Cu. <i>Journal of Alloys and Compounds</i> , 2002, 341, 79-81.	2.8	27
97	Inertisation of heavy metals in municipal solid waste incineration fly ash by means of colloidal silica: a synchrotron X-ray diffraction and absorption study. <i>RSC Advances</i> , 2013, 3, 14339.	1.7	27
98	Stabilized biomass ash as a sustainable substitute for commercial P fertilizers. <i>Land Degradation and Development</i> , 2018, 29, 2199-2207.	1.8	27
99	Evaluation of different quantification modes for a simple and reliable determination of Pb, Zn and Cd in soil suspensions by total reflection X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 930-939.	1.6	27
100	Influence of Vanadium and Tungsten Substitution on the Stability of Anatase. <i>Journal of Solid State Chemistry</i> , 1993, 104, 470-475.	1.4	26
101	Structural investigation of Ce ₂ Zr ₂ O ₈ after redox treatments which lead to low temperature reduction. <i>Topics in Catalysis</i> , 2006, 41, 35-42.	1.3	26
102	Strongly oriented Co ₃ O ₄ thin films on MgO(100) and MgAl ₂ O ₄ (100) substrates by PE-CVD. <i>CrystEngComm</i> , 2011, 13, 3670.	1.3	26
103	Fluorine doped Fe ₂ O ₃ nanostructures by a one-pot plasma-assisted strategy. <i>RSC Advances</i> , 2013, 3, 23762.	1.7	26
104	Comprehensive approach to the validation of the standard method for total reflection X-ray fluorescence analysis of water. <i>Talanta</i> , 2018, 181, 165-171.	2.9	26
105	A Single-Crystal X-Ray Diffraction Study of Lithium Zirconate, Li ₆ Zr ₂ O ₇ , a Solid-State Ionic Conductor. <i>Journal of Solid State Chemistry</i> , 1993, 104, 391-396.	1.4	25
106	Thermodynamics of mechanical transduction of surface confined receptor/ligand reactions. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 1017-1022.	5.0	25
107	Total reflection X-ray fluorescence (TXRF) for direct analysis of aerosol particle samples. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 467-477.	1.2	25
108	Insights on Growth and Nanoscopic Investigation of Uncommon Iron Oxide Polymorphs. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5454-5461.	1.0	25

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109	Biosafe inertization of municipal solid waste incinerator residues by COSMOS technology. <i>Journal of Hazardous Materials</i> , 2014, 279, 311-321.	6.5	25
110	TXRF analysis of soils and sediments to assess environmental contamination. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13208-13214.	2.7	25
111	Bottom ash derived from municipal solid waste and sewage sludge co-incineration: First results about characterization and reuse. <i>Waste Management</i> , 2020, 116, 147-156.	3.7	25
112	Review of the Reuse Possibilities Concerning Ash Residues from Thermal Process in a Medium-Sized Urban System in Northern Italy. <i>Sustainability</i> , 2020, 12, 4193.	1.6	25
113	Kinetics of disorder-order transition of Ti ⁱⁱ -W oxide thin-film sensor. <i>Sensors and Actuators B: Chemical</i> , 1996, 31, 19-24.	4.0	24
114	Cation Sublattice and Coordination Polyhedra in ABO ₄ Type of Structures. <i>Journal of Solid State Chemistry</i> , 1997, 129, 82-91.	1.4	24
115	Structure and crystallization of potassium titanium phosphate glasses containing B ₂ O ₃ and SiO ₂ . <i>Journal of Non-Crystalline Solids</i> , 2003, 324, 208-219.	1.5	24
116	Role of Nanomechanics in Canonical and Noncanonical Pro-angiogenic Ligand/VEGF Receptor-2 Activation. <i>Journal of the American Chemical Society</i> , 2012, 134, 14573-14579.	6.6	24
117	Evaluation of the sustainability of technologies to recover phosphorus from sewage sludge ash based on embodied energy and CO ₂ footprint. <i>Journal of Cleaner Production</i> , 2021, 289, 125762.	4.6	24
118	Sustainable Materials and their Contribution to the Sustainable Development Goals (SDGs): A Critical Review Based on an Italian Example. <i>Molecules</i> , 2021, 26, 1407.	1.7	24
119	X-ray photoelectron study of the relaxor lead magnesium niobate. <i>Solid State Communications</i> , 1996, 100, 801-805.	0.9	23
120	Growing ZnO Nanocrystals on Polystyrene Nanospheres by Extra-Low-Temperature Atomic Layer Deposition. <i>Crystal Growth and Design</i> , 2009, 9, 1258-1259.	1.4	23
121	Integrated management of ash from industrial and domestic combustion: a new sustainable approach for reducing greenhouse gas emissions from energy conversion. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14834-14846.	2.7	23
122	The first material made for air pollution control able to sequester fine and ultrafine air particulate matter. <i>Sustainable Cities and Society</i> , 2020, 53, 101961.	5.1	23
123	Structural characterization of sol-gel lanthanum cobaltite thin films. <i>Crystal Engineering</i> , 2002, 5, 291-298.	0.7	22
124	Mo influence on SnO ₂ thin films properties. <i>Thin Solid Films</i> , 2002, 418, 16-20.	0.8	22
125	Plasmonic Heating-Assisted Transformation of SiO ₂ /Au Core/Shell Nanospheres (Au Nanoshells): Caveats and Opportunities for SERS and Direct Laser Writing. <i>Plasmonics</i> , 2013, 8, 129-132.	1.8	22
126	Rice Husk Ash to Stabilize Heavy Metals Contained in Municipal Solid Waste Incineration Fly Ash: First Results by Applying New Pre-treatment Technology. <i>Materials</i> , 2015, 8, 6868-6879.	1.3	22

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127	SUNSPACE, A Porous Material to Reduce Air Particulate Matter (PM). <i>Frontiers in Chemistry</i> , 2018, 6, 534.	1.8	22
128	Structural and Mechanical Characterization of Sustainable Composites Based on Recycled and Stabilized Fly Ash. <i>Materials</i> , 2014, 7, 5920-5933.	1.3	21
129	Evaluation of Heavy Metals Contamination from Environment to Food Matrix by TXRF: The Case of Rice and Rice Husk. <i>Journal of Chemistry</i> , 2015, 2015, 1-12.	0.9	21
130	Plasmon-Assisted, Spatially Resolved Laser Generation of Transition Metal Oxides from Liquid Precursors. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5174-5180.	1.5	20
131	Comparison of multiple X-ray fluorescence techniques for elemental analysis of particulate matter collected on air filters. <i>Journal of Aerosol Science</i> , 2018, 122, 1-10.	1.8	20
132	Formation and structure of tin-iron oxide thin film CO sensors. <i>Journal of Materials Research</i> , 1994, 9, 1250-1256.	1.2	19
133	Inorganic self-assembly. <i>Current Opinion in Solid State and Materials Science</i> , 2004, 8, 103-109.	5.6	19
134	Study of sulphation of Candoglia marble by means of micro X-ray diffraction experiments. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 83, 689-694.	1.1	19
135	Total reflection X-ray fluorescence spectroscopy to study Pb and Zn accumulation in zebrafish embryos. <i>X-Ray Spectrometry</i> , 2015, 44, 124-128.	0.9	19
136	Coordination Geometry and Catalytic Activity of Vanadium on TiO ₂ Surfaces. <i>Journal of Solid State Chemistry</i> , 1993, 103, 528-532.	1.4	18
137	Modeling of glancing incidence X-ray for depth profiling of thin layers. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 554-557.	1.5	18
138	Effect of the mechanochemical treatment of a V ₂ O ₅ /MoO ₃ oxide mixture on its properties. <i>Kinetics and Catalysis</i> , 2008, 49, 692-701.	0.3	18
139	On the thermodynamics of biomolecule surface transformations. <i>Journal of Colloid and Interface Science</i> , 2012, 375, 1-11.	5.0	18
140	Fly Ash Pollutants, Treatment and Recycling. <i>Environmental Chemistry for A Sustainable World</i> , 2013, , 103-213.	0.3	18
141	Effects of ion bombardment and gas incorporation on the properties of Mo/a-Si:H multilayers for EUV applications. <i>Surface and Coatings Technology</i> , 2003, 174-175, 40-48.	2.2	17
142	Structure and interface properties of Mo/B ₄ C/Si multilayers deposited by rf-magnetron sputtering. <i>Applied Surface Science</i> , 2004, 238, 262-268.	3.1	17
143	Glancing-incidence X-ray diffraction of Ag nanoparticles in gold lustre decoration of Italian Renaissance pottery. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 83, 543-546.	1.1	17
144	Exploiting Surface Plasmon Resonance (SPR) Technology for the Identification of Fibroblast Growth Factor-2 (FGF2) Antagonists Endowed with Antiangiogenic Activity. <i>Sensors</i> , 2009, 9, 6471-6503.	2.1	17

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145	Nanomechanics of surface DNA switches probed by captive contact angle. <i>Journal of Colloid and Interface Science</i> , 2013, 402, 334-339.	5.0	17
146	Micro X-ray diffraction on capillary powder samples: a novel and effective technique for overcoming preferred orientation. <i>Journal of Applied Crystallography</i> , 2001, 34, 663-665.	1.9	16
147	Structural disorder in CdSxSe1-x films probed by microdiffraction experiments. <i>Applied Surface Science</i> , 2002, 186, 527-532.	3.1	16
148	Influence of annealing on Co/Au multilayers: a structural and magnetic study. <i>Thin Solid Films</i> , 2003, 428, 102-106.	0.8	16
149	Molecular Recognition by Contact Angle: Proof of Concept with DNA Hybridization. <i>Langmuir</i> , 2009, 25, 4271-4273.	1.6	16
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