

Laura E Depero

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

274
papers

6,149
citations

40
h-index

57
g-index

287
ext. papers

6,727
ext. citations

4.7
avg, IF

5.56
L-index

#	Paper	IF	Citations
274	Basaltic Glass Fibers from Industrial Wastes: A Laboratory-Scale Technical Feasibility Study. <i>Crystals</i> , 2022 , 12, 359	2.3	
273	Phosphorous and Silica Recovery from Rice Husk Poultry Litter Ash: A Sustainability Analysis Using a Zero-Waste Approach. <i>Materials</i> , 2021 , 14,	3.5	1
272	Sustainable Materials and their Contribution to the Sustainable Development Goals (SDGs): A Critical Review Based on an Italian Example. <i>Molecules</i> , 2021 , 26,	4.8	13
271	Assessment of Integrated Aerosol Sampling Techniques in Indoor, Confined and Outdoor Environments Characterized by Specific Emission Sources. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4360	2.6	
270	The Reuse of Industrial By-Products for the Synthesis of Innovative Porous Materials, with the Aim to Improve Urban Air Quality. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6798	2.6	0
269	Procedure optimization of type 304 and 420B stainless steels release in acetic acid. <i>Food Control</i> , 2021 , 120, 107509	6.2	1
268	Indoor and Outdoor Air Quality for Sustainable Life: A Case Study of Rural and Urban Settlements in Poor Neighbourhoods in Kenya. <i>Sustainability</i> , 2021 , 13, 2417	3.6	3
267	Evaluation of the sustainability of technologies to recover phosphorus from sewage sludge ash based on embodied energy and CO2 footprint. <i>Journal of Cleaner Production</i> , 2021 , 289, 125762	10.3	11
266	EAF slag as alternative filler for epoxy screeds, an example of green reuse. <i>Sustainable Materials and Technologies</i> , 2021 , 29, e00324	5.3	3
265	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	3.6	18
264	Micro-Raman Spectroscopy Investigation of Crystalline Phases in EAF Slag. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4115	2.6	1
263	Grain Size Effect in Elution Test of Electric Arc Furnace Slag. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 477	2.6	8
262	The assessment of a method for measurements and lead quantification in air particulate matter using total reflection X-ray fluorescence spectrometers. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020 , 167, 105840	3.1	8
261	A Circular Economy Virtuous Example Use of a Stabilized Waste Material Instead of Calcite to Produce Sustainable Composites. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 754	2.6	10
260	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	10.1	18
259	Direct analysis of essential oils by means of TXRF spectrometry. <i>X-Ray Spectrometry</i> , 2020 , 49, 322-331	0.9	0
258	Summary of ISO standard 20289: Total reflection X-ray fluorescence analysis of water. <i>Surface and Interface Analysis</i> , 2020 , 52, 119-123	1.5	7

257	Stabilization of Municipal Solid Waste Fly Ash, Obtained by Co-Combustion with Sewage Sludge, Mixed with Bottom Ash Derived by the Same Plant. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6075	2.6	5
256	Porous Materials Derived from Industrial By-Products for Titanium Dioxide Nanoparticles Capture. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8086	2.6	4
255	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	8.6	16
254	New Eco-Materials Derived from Waste for Emerging Pollutants Adsorption: The Case of Diclofenac. <i>Materials</i> , 2020 , 13,	3.5	3
253	Increased Sustainability of Carbon Dioxide Mineral Sequestration by a Technology Involving Fly Ash Stabilization. <i>Materials</i> , 2019 , 12,	3.5	17
252	Miniaturized Near-Infrared (MicroNIR) Spectrometer in Plastic Waste Sorting. <i>Materials</i> , 2019 , 12,	3.5	34
251	Chemical Analysis of Air Particulate Matter Trapped by a Porous Material, Synthesized from Silica Fume and Sodium Alginate. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-9	3.2	8
250	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	3.7	18
249	A green and simple process to develop conductive polyurethane foams for biomedical applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019 , 68, 126-133	3	3
248	Stabilized biomass ash as a sustainable substitute for commercial P-fertilizers. <i>Land Degradation and Development</i> , 2018 , 29, 2199-2207	4.4	21
247	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	4.1	22
246	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	6.2	22
245	A sustainable bioplastic obtained from rice straw. <i>Journal of Cleaner Production</i> , 2018 , 200, 357-368	10.3	80
244	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	4.3	12
243	New Sustainable Hybrid Porous Materials for Air Particulate Matter Trapping. <i>Materials Science Forum</i> , 2018 , 941, 2237-2242	0.4	3
242	SUNSPACE, A Porous Material to Reduce Air Particulate Matter (PM). <i>Frontiers in Chemistry</i> , 2018 , 6, 5345		17
241	Interaction of Extracellular Vesicles with Si Surface Studied by Nanomechanical Microcantilever Sensors. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 404	2.6	2
240	Elemental analysis of tree leaves by total reflection X-ray fluorescence: New approaches for air quality monitoring. <i>Chemosphere</i> , 2017 , 178, 504-512	8.4	26

239	Atomic layer deposition of semiconductor oxides on electric sail tethers. <i>Thin Solid Films</i> , 2017 , 621, 195-201	2
238	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	5.1 23
237	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	8.5 41
236	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	10.3 35
235	Waste silica sources as heavy metal stabilizers for municipal solid waste incineration fly ash. <i>Arabian Journal of Chemistry</i> , 2017 , 10, S3676-S3681	5.9 55
234	Evaluation of the Biototoxicity of Tree Wood Ashes in Zebrafish Embryos. <i>Zebrafish</i> , 2016 , 13, 449-55	2 4
233	A Player Often Neglected: Electrochemical Comprehensive Analysis of Counter Electrodes for Quantum Dot Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7766-76	9.5 14
232	Energetics of surface confined ferritin during iron loading. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 520-525	6 5
231	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	3.1 23
230	COSMOS-rice technology abrogates the biotoxic effects of municipal solid waste incinerator residues. <i>Environmental Pollution</i> , 2016 , 214, 713-721	9.3 10
229	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	8.3 53
228	Lipase biofilm deposited by Matrix Assisted Pulsed Laser Evaporation technique. <i>Applied Surface Science</i> , 2015 , 336, 196-199	6.7 10
227	Determination of trace elements in Italian wines by means of total reflection X-ray fluorescence spectroscopy. <i>International Journal of Environmental Analytical Chemistry</i> , 2015 , 95, 1208-1218	1.8 10
226	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 17
225	Total reflection X-ray fluorescence as a tool for food screening. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 113, 1-15	3.1 42
224	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	10.3 73
223	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	3.5 17
222	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	2.3 13

221	Atomic layer deposition to prevent metal transfer from implants: An X-ray fluorescence study. <i>Applied Surface Science</i> , 2015 , 359, 215-220	6.7	12
220	Review of fly ash inertisation treatments and recycling. <i>Environmental Chemistry Letters</i> , 2014 , 12, 153-175	13.3	138
219	All-oxide Raman-active traps for light and matter: probing redox homeostasis model reactions in aqueous environment. <i>Small</i> , 2014 , 10, 1294-8	11	39
218	Biosafe inertization of municipal solid waste incinerator residues by COSMOS technology. <i>Journal of Hazardous Materials</i> , 2014 , 279, 311-21	12.8	25
217	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	3.1	28
216	Colloidal lenses as universal Raman scattering enhancers. <i>RSC Advances</i> , 2014 , 4, 38152-38158	3.7	35
215	TXRF analysis of soils and sediments to assess environmental contamination. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 13208-14	5.1	18
214	Arsenic stabilization in coal fly ash through the employment of waste materials. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 1352-1357	6.8	11
213	Study of Microstrain and Stress in Non-Planar Palladium Membranes for Hydrogen Separation. <i>Advanced Materials Research</i> , 2014 , 996, 27-32	0.5	2
212	Biosensor Applications of MAPLE Deposited Lipase. <i>Biosensors</i> , 2014 , 4, 329-39	5.9	11
211	A new nanotechnology of fly ash inertization based on the use of silica gel extracted from rice husk ash and microwave treatment. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems</i> , 2014 , 228, 27-32		6
210	Probing the spatial extension of light trapping-induced enhanced Raman scattering in high-density Si nanowire arrays. <i>Nanotechnology</i> , 2014 , 25, 465705	3.4	31
209	Structural and Mechanical Characterization of Sustainable Composites Based on Recycled and Stabilized Fly Ash. <i>Materials</i> , 2014 , 7, 5920-5933	3.5	19
208	A critical comparison between XRD and FIB residual stress measurement techniques in thin films. <i>Thin Solid Films</i> , 2014 , 572, 224-231	2.2	40
207	A new method to inertize incinerator toxic fly ash with silica from rice husk ash. <i>Environmental Chemistry Letters</i> , 2013 , 11, 329-333	13.3	37
206	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	2.4	21
205	Metal fractionation in soils and assessment of environmental contamination in Vallecamonica, Italy. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 5067-75	5.1	58
204	Sensitive determination of the Young's modulus of thin films by polymeric microcantilevers. <i>Measurement Science and Technology</i> , 2013 , 24, 125603	2	12

203	Inertisation of heavy metals in municipal solid waste incineration fly ash by means of colloidal silica by synchrotron X-ray diffraction and absorption study. <i>RSC Advances</i> , 2013 , 3, 14339	3.7	21
202	Leveraging on nanomechanical sensors to single out active small ligands for α -microglobulin. <i>Sensors and Actuators B: Chemical</i> , 2013 , 176, 1026-1031	8.5	8
201	Nanomechanics of surface DNA switches probed by captive contact angle. <i>Journal of Colloid and Interface Science</i> , 2013 , 402, 334-9	9.3	16
200	Supported α and γ Iron oxide nanomaterials by chemical vapor deposition: structure, morphology and magnetic properties. <i>CrystEngComm</i> , 2013 , 15, 1039-1042	3.3	35
199	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	6.7	61
198	Fluorine doped Fe ₂ O ₃ nanostructures by a one-pot plasma-assisted strategy. <i>RSC Advances</i> , 2013 , 3, 23762	3.7	25
197	Fly Ash Pollutants, Treatment and Recycling. <i>Environmental Chemistry for A Sustainable World</i> , 2013 , 103-213	0.8	11
196	Effect of microblasting on cathodic arc evaporation CrN coatings. <i>Surface Engineering</i> , 2013 , 29, 683-688	2.6	5
195	Insights on Growth and Nanoscopic Investigation of Uncommon Iron Oxide Polymorphs. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5454-5461	2.3	21
194	Utilization of Third-Stage Waste from a Rice Production for Removal of H ₂ S, NO ₂ and SO ₂ from Air. <i>Adsorption Science and Technology</i> , 2013 , 31, 199-212	3.6	1
193	Triggering and monitoring plasmon-enhanced reactions by optical nanoantennas coupled to photocatalytic beads. <i>Small</i> , 2013 , 9, 3301-7	11	48
192	Processing and properties of polypropylene-based composites containing inertized fly ash from municipal solid waste incineration. <i>Journal of Applied Polymer Science</i> , 2013 , 130, n/a-n/a	2.9	8
191	On the thermodynamics of biomolecule surface transformations. <i>Journal of Colloid and Interface Science</i> , 2012 , 375, 1-11	9.3	16
190	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	4.4	48
189	Airborne particulate matter (PM) filter analysis and modeling by total reflection X-ray fluorescence (TXRF) and X-ray standing wave (XSW). <i>Talanta</i> , 2012 , 89, 99-104	6.2	32
188	Role of nanomechanics in canonical and noncanonical pro-angiogenic ligand/VEGF receptor-2 activation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14573-9	16.4	20
187	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	4.3	41
186	1B/(-)IRE DMT1 expression during brain ischemia contributes to cell death mediated by NF- κ B/RelA acetylation at Lys310. <i>PLoS ONE</i> , 2012 , 7, e38019	3.7	32

185	Recyclable SERS substrates based on Au-coated ZnO nanorods. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2557-63	9.5	190
184	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		50
183	Local order and non-linear optical properties in bulk nanostructured niobiosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 1218-1222	3.9	5
182	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, 192-8	6.2	37
181	Microstructure and elastic properties of atomic layer deposited TiO ₂ anatase thin films. <i>Acta Materialia</i> , 2011 , 59, 2891-2900	8.4	29
180	Tailoring phase and composition at the nanoscale: atomic layer deposition of ZnO thin films. <i>CrystEngComm</i> , 2011 , 13, 6621	3.3	8
179	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	3.3	21
178	Plasmon-Assisted, Spatially Resolved Laser Generation of Transition Metal Oxides from Liquid Precursors. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5174-5180	3.8	16
177	A New Powder Filler, Obtained by Applying a New Technology for Fly Ash Inertisation Procedure. <i>Advances in Science and Technology</i> , 2010 , 62, 27-33	0.1	13
176	Using aggregates of gold nanorods in SER(R)S experiments: an empirical evaluation of some critical aspects. <i>Nanotechnology</i> , 2010 , 21, 425701	3.4	30
175	Total reflection X-ray fluorescence (TXRF) for direct analysis of aerosol particle samples. <i>Environmental Technology (United Kingdom)</i> , 2010 , 31, 467-77	2.6	21
174	Metal oxide microrings with femtoliter capacity for Raman microspectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 594-602	9.5	14
173	A new method for municipal solid waste incinerator (MSWI) fly ash inertization, based on colloidal silica. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 2093-9		71
172	Nanoliter contact angle probes tumor angiogenic ligand-receptor protein interactions. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 1571-5	11.8	11
171	In situ XRD characterization of hydrogen desorption from electrochemically deposited Pd coating 2010 , 7, 691-695		6
170	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, 787-90	3.5	34
169	Elastic behaviour of titanium dioxide films on polyimide substrates studied by in situ tensile testing in a X-ray diffractometer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010 , 268, 365-369	1.2	11
168	Self-assembled polystyrene nanospheres for the evaluation of atomic force microscopy tip curvature radius. <i>Measurement Science and Technology</i> , 2009 , 20, 084015	2	7

167	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, 6471-503	3.8	16
166	X-ray reflectivity and total reflection x-ray fluorescence study of surface oxide evolution in a GaAs/AlAs multilayer system. <i>Journal of Applied Physics</i> , 2009 , 105, 014307	2.5	3
165	In situ plasmon-heating-induced generation of Au/TiO ₂ "hot spots" on colloidal crystals. <i>ChemPhysChem</i> , 2009 , 10, 1017-22	3.2	29
164	Novel sol-gel synthesis of transparent and electrically bistable LiNbO ₃ /BiO ₂ nanocomposites thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 49, 106-111	2.3	1
163	Tailoring the pore size and architecture of CeO ₂ /TiO ₂ core/shell inverse opals by atomic layer deposition. <i>Small</i> , 2009 , 5, 336-40	11	56
162	Growing ZnO Nanocrystals on Polystyrene Nanospheres by Extra-Low-Temperature Atomic Layer Deposition. <i>Crystal Growth and Design</i> , 2009 , 9, 1258-1259	3.5	21
161	Using plasmonic heating of gold nanoparticles to generate local SER(R)S-active TiO ₂ spots. <i>Chemical Communications</i> , 2009 , 2359-61	5.8	31
160	Molecular recognition by contact angle: proof of concept with DNA hybridization. <i>Langmuir</i> , 2009 , 25, 4271-3	4	15
159	Total reflection of x-ray fluorescence (TXRF): a mature technique for environmental chemical nanoscale metrology. <i>Measurement Science and Technology</i> , 2009 , 20, 084027	2	53
158	Polymer-coated quartz crystal microbalance chemical sensor for heavy cations in water. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1164-8	1.3	10
157	ZnO whiskers and belts in chestnut husk-like structures: synthesis and proof of chemomechanical transduction. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1597-602	1.3	4
156	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	1.5	18
155	Laser-induced modification of polymeric beads coated with gold nanoparticles. <i>Nanotechnology</i> , 2008 , 19, 305301	3.4	30
154	Transformation in calcium carbonate stones: some examples. <i>Phase Transitions</i> , 2008 , 81, 155-178	1.3	9
153	Analysis of crystalline phases in airborne particulate matter by two-dimensional X-ray diffraction (XRD ₂). <i>Journal of Environmental Monitoring</i> , 2008 , 10, 82-8		9
152	Advances in parallel screening of drug candidates. <i>Current Medicinal Chemistry</i> , 2008 , 15, 1706-19	4.3	14
151	A biofunctional polymeric coating for microcantilever molecular recognition. <i>Analytica Chimica Acta</i> , 2008 , 630, 161-7	6.6	36
150	Laboratory two-dimensional X-ray microdiffraction technique: a support for authentication of an unknown Ghirlandaio painting. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 92, 155-159	2.6	11

149	Micro X-ray fluorescence as a potential technique to monitor in-situ air pollution. <i>Mikrochimica Acta</i> , 2008 , 161, 301-305	5.8	14
148	Reproducibility in X-ray reflectometry: results from the first world-wide round-robin experiment. <i>Journal of Applied Crystallography</i> , 2008 , 41, 143-152	3.8	36
147	Study of annealing temperature effect on stress-corrosion cracking of aluminum brass heat-exchangers tubes by microdiffraction experiments. <i>Engineering Failure Analysis</i> , 2008 , 15, 54-61	3.2	9
146	The international VAMAS project on X-ray reflectivity measurements for evaluation of thin films and multilayers [Preliminary results from the second round-robin. <i>Thin Solid Films</i> , 2008 , 516, 7962-7966	2.2	12
145	MAPLE deposition of biomaterial multilayers. <i>Applied Surface Science</i> , 2008 , 254, 7143-7148	6.7	30
144	Investigation of a biofunctional polymeric coating deposited onto silicon microcantilevers. <i>Applied Surface Science</i> , 2007 , 253, 4226-4231	6.7	10
143	Biomaterial thin film deposition and characterization by means of MAPLE technique. <i>Materials Science and Engineering C</i> , 2007 , 27, 1185-1190	8.3	28
142	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	6	27
141	Cr-inserted TiO ₂ thin films for chemical gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2007 , 128, 312-318	8.5	40
140	Thermodynamics of mechanical transduction of surface confined receptor/ligand reactions. <i>Journal of Colloid and Interface Science</i> , 2007 , 316, 1017-22	9.3	24
139	Structural characterization of nanocrystalline lanthanum oxyfluoride films obtained by chemical vapor deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 2741-7	1.3	2
138	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,	3.3	55
137	Synthesis and Evaluation of Blends Formed by Polymeric Crown Ethers and a Fullerene-Containing Primary Ammonium Salt in Organic Thin Films. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2007 , 15, 367-378	1.8	1
136	Modeling of glancing incidence X-ray for depth profiling of thin layers. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007 , 62, 554-557	3.1	15
135	Elastic and magnetic dynamics of nanomagnet-ordered arrays impulsively excited by subpicosecond laser pulses. <i>Physical Review Letters</i> , 2006 , 97, 217201	7.4	13
134	Phase transformations in bulk nanostructured potassium niobosilicate glasses. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 25740-5	3.4	10
133	Glancing-incidence X-ray diffraction for depth profiling of polycrystalline layers. <i>Journal of Applied Crystallography</i> , 2006 , 39, 176-179	3.8	33
132	Characterizations of porous titania thin films produced by electrochemical etching. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006 , 131, 135-141	3.1	9

131	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	6.7	27
130	Ion bombardment effects on nucleation of sputtered Mo nano-crystals in Mo/B4C/Si multilayers. <i>Surface and Coatings Technology</i> , 2006 , 201, 143-147	4.4	12
129	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	2.3	23
128	Laboratory Microbeam Analysis Applied to Cultural Heritage Studies. <i>Mikrochimica Acta</i> , 2006 , 155, 101-104	3.4	10
127	Advanced X-Ray Laboratory Microbeam Techniques Applied to Metallurgy. <i>Mikrochimica Acta</i> , 2006 , 155, 151-155	5.8	1
126	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	2.6	17
125	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	2.6	17
124	Investigation of surface laser treatment of ancient calcite: the case of the grave in Torricelle (Naples, Italy). <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 83, 657-661	2.6	1
123	Microstructure and morphology of nimesulide/crospovidone nanocomposites by Raman and electron microscopies. <i>Composites Part A: Applied Science and Manufacturing</i> , 2005 , 36, 443-448	8.4	8
122	Bacteria enclosure between silica-coated membranes for the degradation of organic compounds in contaminated water. <i>Water Research</i> , 2005 , 39, 2056-64	12.5	4
121	Variations in the Extent of Pyrochlore-Type Cation Ordering in Ce ₂ Zr ₂ O ₈ : A Pathway to Low-Temperature Reduction. <i>Chemistry of Materials</i> , 2005 , 17, 1157-1166	9.6	60
120	Sol-gel synthesis and characterization of lamellar mesostructured titania films. <i>Materials Science and Engineering C</i> , 2005 , 25, 560-564	8.3	8
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