

Laura E Depero

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274
papers

6,149
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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	WO ₃ sputtered thin films for NO _x monitoring. <i>Sensors and Actuators B: Chemical</i> , 1995 , 26, 89-92	8.5	209
273	Recyclable SERS substrates based on Au-coated ZnO nanorods. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2557-63	9.5	190
272	Review of fly ash inertisation treatments and recycling. <i>Environmental Chemistry Letters</i> , 2014 , 12, 153-153	10.3	138
271	Characterization of a polymeric adsorbed coating for DNA microarray glass slides. <i>Analytical Chemistry</i> , 2004 , 76, 1352-8	7.8	117
270	Synthesis and optical properties of nanosized powders: lanthanide-doped Y ₂ O ₃ . <i>Applied Surface Science</i> , 1999 , 144-145, 686-689	6.7	87
269	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	2.5	81
268	A sustainable bioplastic obtained from rice straw. <i>Journal of Cleaner Production</i> , 2018 , 200, 357-368	10.3	80
267	The structural basis of transitions between highly ordered smectic phases in semifluorinated alkanes. <i>Liquid Crystals</i> , 1989 , 5, 1783-1788	2.3	78
266	High-temperature structures of poly(p-hydroxybenzoic acid). <i>Macromolecules</i> , 1990 , 23, 1793-1799	5.5	76
265	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
264	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
263	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
262	A novel method for the preparation of nanosized tio ₂ thin films. <i>Advanced Materials</i> , 1996 , 8, 334-337	24	61
261	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
260	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
259	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	8.4	58
258	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	3.9	58

257	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
256	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
255	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
254	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
253	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	8.5	53
252	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
251	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	2.5	52
250	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
249	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	8.5	50
248	Structural Studies of Tungsten-Titanium Oxide Thin Films. <i>Journal of Solid State Chemistry</i> , 1996 , 121, 379-387	3.3	49
247	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
246	Triggering and monitoring plasmon-enhanced reactions by optical nanoantennas coupled to photocatalytic beads. <i>Small</i> , 2013 , 9, 3301-7	11	48
245	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	8.5	47
244	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	8.3	46
243	Microstructure and morphology of tin dioxide multilayer thin film gas sensors. <i>Sensors and Actuators B: Chemical</i> , 1997 , 44, 268-274	8.5	44
242	CVD of Lanthanum Oxyfluoride-Based Thin Films from a Lanthanum Diketonate Diglyme Precursor. <i>Chemical Vapor Deposition</i> , 2005 , 11, 426-432		44
241	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	4.4	44
240	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

239	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	2.5	42
238	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	1.7	42
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	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
235	Nanostructured Pt-Doped Tin Oxide Films: Sol-Gel Preparation, Spectroscopic and Electrical Characterization. <i>Chemistry of Materials</i> , 2001 , 13, 4355-4361	9.6	41
234	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
233	Cr-inserted TiO ₂ thin films for chemical gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2007 , 128, 312-319	19.5	40
232	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
231	Microwave generated nanocomposites for making insoluble drugs soluble. <i>Materials Science and Engineering C</i> , 2003 , 23, 791-795	8.3	39
230	Temperature effects on the size of anatase crystallites in Mo-doped TiO ₂ and W-doped TiO ₂ powders. <i>Sensors and Actuators B: Chemical</i> , 1996 , 31, 25-28	8.5	39
229	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
228	A new non-destructive method for chemical analysis of particulate matter filters: the case of manganese air pollution in Vallecmonica (Italy). <i>Talanta</i> , 2011 , 84, 192-8	6.2	37
227	Growth and microstructural analysis of nanosized Y ₂ O ₃ doped with rare-earths. <i>Materials Chemistry and Physics</i> , 2000 , 66, 164-171	4.4	37
226	A biofunctional polymeric coating for microcantilever molecular recognition. <i>Analytica Chimica Acta</i> , 2008 , 630, 161-7	6.6	36
225	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
224	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> , 2004 , 83, 1087-1092	3.8	36
223	Colloidal lenses as universal Raman scattering enhancers. <i>RSC Advances</i> , 2014 , 4, 38152-38158	3.7	35
222	Supported and free iron oxide nanomaterials by chemical vapor deposition: structure, morphology and magnetic properties. <i>CrystEngComm</i> , 2013 , 15, 1039-1042	3.3	35

221	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
220	Miniaturized Near-Infrared (MicroNIR) Spectrometer in Plastic Waste Sorting. <i>Materials</i> , 2019 , 12,	3.5	34
219	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
218	Structural study of LaNixFe1-xO3 prepared from precursor salts. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2135-2142	6	34
217	Nanocrystalline SnO2-Based Thin Films Obtained by Sol-Gel Route: A Morphological and Structural Investigation. <i>Chemistry of Materials</i> , 2003 , 15, 2646-2650	9.6	34
216	Optical and morphological characterization of Si nanocrystals/silica composites prepared by sol-gel processing. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001 , 79, 55-62	3.1	34
215	Glancing-incidence X-ray diffraction for depth profiling of polycrystalline layers. <i>Journal of Applied Crystallography</i> , 2006 , 39, 176-179	3.8	33
214	Novel selective ethanol sensors: W/TiO2 thin films by sol-gel spin-coating. <i>Sensors and Actuators B: Chemical</i> , 2003 , 93, 495-502	8.5	33
213	Study of the anatase-rutile transformation in TiO2 powders obtained by laser-induced synthesis. <i>Journal of Materials Research</i> , 1993 , 8, 2709-2715	2.5	33
212	A proper Anderson Hamiltonian treatment of the 3s photoelectron spectra of MnO, FeO, CoO and NiO. <i>Chemical Physics Letters</i> , 1995 , 245, 463-468	2.5	33
211	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
210	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
209	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
208	Using plasmonic heating of gold nanoparticles to generate local SER(R)S-active TiO2 spots. <i>Chemical Communications</i> , 2009 , 2359-61	5.8	31
207	An XPS study of yttria-stabilised zirconia single crystals. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1993 , 63, 1-10	1.7	31
206	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
205	Laser-induced modification of polymeric beads coated with gold nanoparticles. <i>Nanotechnology</i> , 2008 , 19, 305301	3.4	30
204	MAPLE deposition of biomaterial multilayers. <i>Applied Surface Science</i> , 2008 , 254, 7143-7148	6.7	30

203	Microstructure and elastic properties of atomic layer deposited TiO ₂ anatase thin films. <i>Acta Materialia</i> , 2011 , 59, 2891-2900	8.4	29
202	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
201	Residual stress analysis of thin films and coatings through XRD2 experiments. <i>Thin Solid Films</i> , 2004 , 450, 143-147	2.2	29
200	Influence of the completion of oxidation on the long-term response of RGTO SnO ₂ gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2000 , 66, 40-42	8.5	29
199	Thin Films of Bismuth Vanadates with Modifiable Conduction Properties. <i>Chemistry of Materials</i> , 1999 , 11, 255-261	9.6	29
198	Microstructural Study of Vanadium-Titanium Oxide Powders Obtained by Laser-Induced Synthesis. <i>Journal of Solid State Chemistry</i> , 1994 , 111, 247-252	3.3	29
197	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
196	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
195	Can electron paramagnetic resonance measurements predict the electrical sensitivity of SnO ₂ -based film?. <i>Applied Magnetic Resonance</i> , 2002 , 22, 89-100	0.8	28
194	An X-ray study of the trimetallic La _x Sm _{1-x} FeO ₃ orthoferrites. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 719-726	6	28
193	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
192	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
191	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
190	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	2.6	26
189	Melting of Nanostructured Drugs Embedded into a Polymeric Matrix. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 15488-15493	3.4	26
188	Biosafe inertization of municipal solid waste incinerator residues by COSMOS technology. <i>Journal of Hazardous Materials</i> , 2014 , 279, 311-21	12.8	25
187	Fluorine doped Fe ₂ O ₃ nanostructures by a one-pot plasma-assisted strategy. <i>RSC Advances</i> , 2013 , 3, 23762	3.7	25
186	A photoelectron spectroscopy study of sub-monolayer interfaces annealed from 300 up to 623 K. <i>Surface Science</i> , 1997 , 380, 311-323	1.8	24

185	On the non-local screening mechanisms in the 2p photoelectron spectra of NiO and La ₂ NiO ₄ . <i>Solid State Communications</i> , 1997 , 103, 421-424	1.6	24
184	Cation Sublattice and Coordination Polyhedra in ABO ₄ Type of Structures. <i>Journal of Solid State Chemistry</i> , 1997 , 129, 82-91	3.3	24
183	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
182	Electrical and structural properties of RGTO-In ₂ O ₃ sensors for ozone detection. <i>Sensors and Actuators B: Chemical</i> , 1999 , 57, 188-191	8.5	24
181	Structural Disorder and Ionic Conduction: The Case of Bi ₂ O ₃ . <i>Journal of Solid State Chemistry</i> , 1996 , 122, 439-443	3.3	24
180	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
179	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
178	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	3.9	23
177	Influence of Vanadium and Tungsten Substitution on the Stability of Anatase. <i>Journal of Solid State Chemistry</i> , 1993 , 104, 470-475	3.3	23
176	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
175	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
174	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
173	Spectroscopic characterisation of alternate current electroluminescent devices based on ZnS:Cu. <i>Journal of Alloys and Compounds</i> , 2002 , 341, 79-81	5.7	22
172	A Ru(II) π -Allylic Complex as a Novel Precursor for the CVD of Ru- and RuO ₂ -Nanostructured Thin Films. <i>Langmuir</i> , 1999 , 15, 4537-4543	4	22
171	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	3.9	22
170	Stabilized biomass ash as a sustainable substitute for commercial P-fertilizers. <i>Land Degradation and Development</i> , 2018 , 29, 2199-2207	4.4	21
169	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
168	Inertisation of heavy metals in municipal solid waste incineration fly ash by means of colloidal silica α synchrotron X-ray diffraction and absorption study. <i>RSC Advances</i> , 2013 , 3, 14339	3.7	21

167	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
166	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
165	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
164	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
163	Kinetics of disorder-order transition of Ti ₂ W oxide thin-film sensor. <i>Sensors and Actuators B: Chemical</i> , 1996 , 31, 19-24	8.5	21
162	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
161	X-ray photoelectron study of the relaxor lead magnesium niobate. <i>Solid State Communications</i> , 1996 , 100, 801-805	1.6	20
160	Structural and Mechanical Characterization of Sustainable Composites Based on Recycled and Stabilized Fly Ash. <i>Materials</i> , 2014 , 7, 5920-5933	3.5	19
159	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
158	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
157	TXRF analysis of soils and sediments to assess environmental contamination. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 13208-14	5.1	18
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	Mo influence on SnO ₂ thin films properties. <i>Thin Solid Films</i> , 2002 , 418, 16-20	2.2	18
154	Inorganic self-assembly. <i>Current Opinion in Solid State and Materials Science</i> , 2004 , 8, 103-109	12	18
153	The first material made for air pollution control able to sequestrate fine and ultrafine air particulate matter. <i>Sustainable Cities and Society</i> , 2020 , 53, 101961	10.1	18
152	Increased Sustainability of Carbon Dioxide Mineral Sequestration by a Technology Involving Fly Ash Stabilization. <i>Materials</i> , 2019 , 12,	3.5	17
151	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
150	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

149	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
148	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
147	Structural characterization of sol-gel lanthanum cobaltite thin films. <i>Crystal Engineering</i> , 2002 , 5, 291-298		17
146	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	3.3	17
145	SUNSPACE, A Porous Material to Reduce Air Particulate Matter (PM). <i>Frontiers in Chemistry</i> , 2018 , 6, 5345		17
144	On the thermodynamics of biomolecule surface transformations. <i>Journal of Colloid and Interface Science</i> , 2012 , 375, 1-11	9.3	16
143	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
142	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
141	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
140	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	6.7	16
139	Influence of annealing on Co/Au multilayers: a structural and magnetic study. <i>Thin Solid Films</i> , 2003 , 428, 102-106	2.2	16
138	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
137	Molecular recognition by contact angle: proof of concept with DNA hybridization. <i>Langmuir</i> , 2009 , 25, 4271-3	4	15
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	Structural disorder in CdSxSe1-x films probed by microdiffraction experiments. <i>Applied Surface Science</i> , 2002 , 186, 527-532	6.7	15
134	Melting of nanostructured Sn probed by in-situ x-ray diffraction. <i>Journal of Chemical Physics</i> , 2003 , 118, 1400-1403	3.9	15
133	Formation and structure of tin-iron oxide thin film CO sensors. <i>Journal of Materials Research</i> , 1994 , 9, 1250-1256	2.5	15
132	Coordination Geometry and Catalytic Activity of Vanadium on TiO ₂ Surfaces. <i>Journal of Solid State Chemistry</i> , 1993 , 103, 528-532	3.3	15

131	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
130	Metal oxide microrings with femtoliter capacity for Raman microspectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 594-602	9.5	14
129	Advances in parallel screening of drug candidates. <i>Current Medicinal Chemistry</i> , 2008 , 15, 1706-19	4.3	14
128	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
127	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	4.4	14
126	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
125	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
124	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
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