

Pier Paolo Lottici

List of Publications by Year in descending order

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234
papers

6,769
citations

87723

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85405

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234
docs citations

234
times ranked

7552
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Extraction of Cellulose Nanocrystals of Polymorph II from <i>Cynara scolymus</i> L.: Challenge for a "Zero Waste" Economy. <i>Crystals</i> , 2022, 12, 672.	1.0	5
2	A Study on Correggio Wall Paintings: Characterization of Technique and Materials of Abbey Church of S. Giovanni Evangelista in Parma, Italy. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4810.	1.3	2
3	Photodegradation of Pharmaceutical Pollutants: New Photocatalytic Systems Based on 3D Printed Scaffold-Supported Ag/TiO ₂ Nanocomposite. <i>Catalysts</i> , 2022, 12, 580.	1.6	6
4	Toxic metal sequential sequestration in water using new amido-aminoacid ligand as a model for the interaction with polyamidoamines. <i>Journal of Hazardous Materials</i> , 2021, 410, 124585.	6.5	2
5	Micro-Raman spectroscopy to investigate production techniques: A focus on fine ware potteries. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 199-207.	1.2	1
6	In situ decoration of laser-scribed graphene with TiO ₂ nanoparticles for scalable high-performance micro-supercapacitors. <i>Carbon</i> , 2021, 176, 296-306.	5.4	37
7	Exposure to nanoparticles derived from diesel particulate filter equipped engine increases vulnerability to arrhythmia in rat hearts. <i>Environmental Pollution</i> , 2021, 284, 117163.	3.7	10
8	A calibrated database of Raman spectra for natural silicate glasses: implications for modelling melt physical properties. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1822-1838.	1.2	16
9	Ag-functionalized nanocrystalline cellulose for paper preservation and strengthening. <i>Carbohydrate Polymers</i> , 2020, 231, 115773.	5.1	29
10	Super-adsorbent polyacrylate under swelling in water for passive solar control of building envelope. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	9
11	Use of Temperature Controlled Stage Confocal Raman Microscopy to Study Phase Transition of Lead Dioxide (Plattnerite). <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 468.	0.8	9
12	Darkening of lead- and iron-based pigments on late Gothic Italian wall paintings: Energy dispersive X-ray fluorescence, Raman, and powder X-ray diffraction analyses for diagnosis: Presence of PbO ₂ (plattnerite) and PbO ₂ (scrutinyite). <i>Journal of Raman Spectroscopy</i> , 2020, 51, 680-692.	1.2	21
13	3D printed chitosan scaffolds: A new TiO ₂ support for the photocatalytic degradation of amoxicillin in water. <i>Water Research</i> , 2019, 163, 114841.	5.3	102
14	Photocatalytic N-doped TiO ₂ for self-cleaning of limestones. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	10
15	Composition of Amphiboles in the Tremolite "Ferro" Actinolite Series by Raman Spectroscopy. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 491.	0.8	11
16	Experimental and calculated Raman spectra in Ca-Zn pyroxenes and a comparison between (Ca _x M ₂ +1-x)M ₂ +Si ₂ O ₆ pyroxenes (M ₂ =Mg, Co, Zn, Fe ²⁺). <i>Physics and Chemistry of Minerals</i> , 2019, 46, 827-837.	0.6	3
17	The deposition from the Cross in the church of Saint-Germain-en-Laye (France): A masterpiece of Romanesque sculpture? Materials characterization to solve a 20th c. mystery. <i>Journal of Cultural Heritage</i> , 2019, 40, 133-142.	1.5	2
18	Facile preparation of functionalized poly(amidoamine)s with biocidal activity on wood substrates. <i>European Polymer Journal</i> , 2019, 116, 232-241.	2.6	9

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19	Measuring Weathering and Nanoparticle Coating Impact on Surface Roughness of Natural Stones. <i>Studies in Conservation</i> , 2019, 64, 298-309.	0.6	2
20	The use of polyamidoamines for the conservation of iron-gall inked paper. <i>Cellulose</i> , 2019, 26, 1277-1296.	2.4	19
21	Plagioclase composition by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 684-698.	1.2	41
22	Weathering resistance of PMMA/SiO ₂ /ZrO ₂ hybrid coatings for sandstone conservation. <i>Polymer Degradation and Stability</i> , 2018, 147, 274-283.	2.7	24
23	Raman spectroscopy as a PAT for pharmaceutical blending: Advantages and disadvantages. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 329-334.	1.4	31
24	Al ³⁺ Si ordering in albite: A combined single-crystal X-ray diffraction and Raman spectroscopy study. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 2028-2035.	1.2	7
25	A comprehensive study of the magnetic properties of the pyroxenes series CaMgSi ₂ O ₆ –Co ₂ Si ₂ O ₆ as a function of Co content. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 285801.	0.7	3
26	Bio-inspired consolidants derived from crystalline nanocellulose for decayed wood. <i>Carbohydrate Polymers</i> , 2018, 202, 164-171.	5.1	15
27	Multi-scale laboratory routine in the efficacy assessment of conservative products for natural stones. <i>MethodsX</i> , 2018, 5, 1095-1101.	0.7	4
28	Efficiency assessment of hybrid coatings for natural building stones: Advanced and multi-scale laboratory investigation. <i>Construction and Building Materials</i> , 2018, 180, 412-424.	3.2	12
29	CHAPTER 10. Micro-Raman and Provenance Studies: The Case of Levantine Ceramics. , 2018, , 141-156.		0
30	Enhanced self-cleaning properties of N-doped TiO ₂ coating for Cultural Heritage. <i>Microchemical Journal</i> , 2017, 133, 1-12.	2.3	61
31	A Multi-Analytical Approach to the Study of the Mural Paintings in the Presbytery of Santa Maria Antiqua Al Foro Romano in Rome. <i>Archaeometry</i> , 2017, 59, 1050-1064.	0.6	26
32	High-pressure Raman spectroscopy of Ca(Mg,Co)Si ₂ O ₆ and Ca(Mg,Co)Ge ₂ O ₆ clinopyroxenes. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1443-1448.	1.2	13
33	Chemical-physical characterization of ancient paper with functionalized polyamidoamines (PAAs). <i>Cellulose</i> , 2017, 24, 1057-1068.	2.4	9
34	High-pressure Raman spectroscopy on low albite. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 213-220.	0.3	10
35	Synthesis and characterization of photocatalytic hydrophobic hybrid TiO ₂ -SiO ₂ coatings for building applications. <i>Building and Environment</i> , 2017, 111, 72-79.	3.0	60
36	Raman and NMR kinetics study of the formation of amidoamines containing N-hydroxyethyl groups and investigations on their Cu(II) complexes in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 515-524.	2.0	12

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37	Raman modes in Pbca enstatite ($\text{Mg}_2\text{Si}_2\text{O}_6$): an assignment by quantum mechanical calculation to interpret experimental results. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1247-1258.	1.2	22
38	Red gemstone characterization by micro-Raman spectroscopy: the case of rubies and their imitations. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1534-1539.	1.2	18
39	OctTES/TEOS system for hybrid coatings: real-time monitoring of the hydrolysis and condensation by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 699-705.	1.2	24
40	Raman Investigation of Precious Jewelry Collections Preserved in Paolo Orsi Regional Museum (Siracusa, Sicily) Using Portable Equipment. <i>Applied Spectroscopy</i> , 2016, 70, 1420-1431.	1.2	18
41	Raman spectroscopy of minerals and mineral pigments in archaeometry. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 499-530.	1.2	126
42	New insight on the interaction of diammonium hydrogenphosphate conservation treatment with carbonatic substrates: A multi-analytical approach. <i>Microchemical Journal</i> , 2016, 127, 79-86.	2.3	45
43	Analysis of artist's palette on a 16th century wood panel painting by portable and laboratory Raman instruments. <i>Vibrational Spectroscopy</i> , 2016, 85, 62-70.	1.2	49
44	Photocatalytic self-cleaning TiO_2 coatings on carbonatic stones. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	22
45	Vitreous tesserae from the calidarium mosaics of the Villa dei Quintili, Rome. Chemical composition and production technology. <i>Microchemical Journal</i> , 2016, 124, 726-735.	2.3	23
46	Micro-Raman mapping of the polymorphs of serpentine. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 953-958.	1.2	107
47	Raman fingerprint of chromate, aluminate and ferrite spinels. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 1255-1264.	1.2	280
48	Characterization and photocatalytic activity of TiO_2 by sol-gel in acid and basic environments. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 91-102.	1.1	20
49	Nondestructive investigation on the 17-18th centuries Sicilian jewelry collection at the Messina regional museum using mobile Raman equipment. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 989-995.	1.2	33
50	Raman spectroscopy of $\text{CaMg}_2\text{Ge}_2\text{O}_6$ ($\text{Mg}_{2+} = \text{Mg, Mn}$). <i>Tj ETQq0 0 0 rgBT</i>	1.2	25
51	Nanocrystalline TiO_2 coatings by sol-gel: photocatalytic activity on Pietra di Noto biocalcarenite. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 75, 141-151.	1.1	28
52	Raman spectroscopy of $\text{CaCoSi}_2\text{O}_6$ $\text{Co}_2\text{Si}_2\text{O}_6$ clinopyroxenes. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 179-189.	0.3	12
53	Structural investigation of $\text{N,N}'$ -methylenebisacrylamide via X-ray diffraction assisted by crystal structure prediction. <i>Journal of Applied Crystallography</i> , 2015, 48, 550-557.	1.9	5
54	A comparison between <i>ab initio</i> calculated and measured Raman spectrum of triclinic albite ($\text{NaAlSi}_3\text{O}_8$). <i>Journal of Raman Spectroscopy</i> , 2015, 46, 501-508.	1.2	42

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55	Oxidative and pro-inflammatory effects of cobalt and titanium oxide nanoparticles on aortic and venous endothelial cells. <i>Toxicology in Vitro</i> , 2015, 29, 426-437.	1.1	64
56	Micro-Raman spectroscopy and ancient ceramics: applications and problems. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1244-1250.	1.2	38
57	High-pressure Raman study of CH ₄ in melanophlogite (type I clathrate). <i>Mineralogical Magazine</i> , 2014, 78, 1661-1669.	0.6	5
58	A portable versus micro-Raman equipment comparison for gemmological purposes: the case of sapphires and their imitations. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1309-1317.	1.2	27
59	Raman and structural comparison between the new gemstone pezzottaite Cs(Be ₂ Li)Al ₂ Si ₆ O ₁₈ and Csberyl. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 993-999.	1.2	13
60	The key role of micro-Raman spectroscopy in the study of ancient pottery: the case of pre-classical Jordanian ceramics from the archaeological site of Khirbet al-Batrawy. <i>European Journal of Mineralogy</i> , 2014, 25, 881-893.	0.4	21
61	Micro-Raman investigation of pigments and carbonate phases in corals and molluscan shells. <i>European Journal of Mineralogy</i> , 2014, 25, 845-853.	0.4	25
62	An integrated Raman and petrographic characterization of Italian mediaeval artifacts in <i>pietra ollare</i> (soapstone). <i>Journal of Raman Spectroscopy</i> , 2014, 45, 114-122.	1.2	14
63	Characterization of emeralds by micro-Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1293-1300.	1.2	32
64	Titanium dioxide nanoparticles promote arrhythmias via a direct interaction with rat cardiac tissue. <i>Particle and Fibre Toxicology</i> , 2014, 11, 63.	2.8	76
65	An integrated multi-analytical approach to the study of the dome wall paintings by Correggio in Parma cathedral. <i>Microchemical Journal</i> , 2014, 114, 80-88.	2.3	37
66	Technological fingerprints of Black-Gloss Ware from Motya (Western Sicily, Italy). <i>Applied Clay Science</i> , 2014, 88-89, 202-213.	2.6	26
67	Characterization of colorants and opacifiers in roman glass mosaic <i>tesserae</i> through spectroscopic and spectrometric techniques. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 238-245.	1.2	50
68	Physical-chemical properties and metal budget of Au-transporting hydrothermal fluids in orogenic deposits. <i>Geological Society Special Publication</i> , 2014, 402, 71-102.	0.8	32
69	Synthesis and characterization of nanocrystalline TiO ₂ with application as photoactive coating on stones. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13264-13277.	2.7	37
70	A combined use of optical microscopy, X-ray powder diffraction and micro-Raman spectroscopy for the characterization of ancient ceramic from Ebla (Syria). <i>Ceramics International</i> , 2014, 40, 16409-16419.	2.3	32
71	Characterization of alteration phases on Potash-Lime-Silica glass. <i>Corrosion Science</i> , 2014, 80, 434-441.	3.0	26
72	Hybrid sol-gel based coatings for the protection of historical window glass. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 66, 253-263.	1.1	28

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73	Nanocrystalline TiO ₂ by sol-gel: Characterisation and photocatalytic activity on Modica and Comiso stones. Applied Surface Science, 2013, 282, 165-173.	3.1	37
74	Is Khirbet Kerak Ware from Khirbet al-Batrawy (Jordan) local or imported pottery?. Analytical Methods, 2013, 5, 6622.	1.3	13
75	Raman spectroscopy of (Ca,Mg)MgSi ₂ O ₆ clinopyroxenes. American Mineralogist, 2012, 97, 1339-1347.	0.9	44
76	The Raman spectrum of diopside: a comparison between ab initio calculated and experimentally measured frequencies. European Journal of Mineralogy, 2012, 24, 457-464.	0.4	60
77	Structural and vibrational characterization of medieval like glass samples. Journal of Non-Crystalline Solids, 2012, 358, 814-819.	1.5	20
78	Raman study of model glass with medieval compositions: artificial weathering and comparison with ancient samples. Journal of Raman Spectroscopy, 2012, 43, 1817-1823.	1.2	19
79	Micro-Raman study of copper hydroxychlorides and other corrosion products of bronze samples mimicking archaeological coins. Analytical and Bioanalytical Chemistry, 2012, 402, 1451-1457.	1.9	52
80	Study of silica nanoparticles and polysiloxane hydrophobic treatments for stone-based monument protection. Journal of Cultural Heritage, 2011, 12, 356-363.	1.5	145
81	The Nature of the Pigments in Corals and Pearls: A Contribution from Raman Spectroscopy. Spectroscopy Letters, 2011, 44, 453-458.	0.5	31
82	Raman Investigation on Pigeonite in Ureilite. Spectroscopy Letters, 2011, 44, 480-485.	0.5	10
83	Applications of Raman spectroscopy to gemology. Analytical and Bioanalytical Chemistry, 2010, 397, 2631-2646.	1.9	85
84	The effect of water on particle size, porosity and the rate of drug release from implanted titania reservoirs. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 93B, 401-406.	1.6	2
85	Characterization of archeological glasses by micro-Raman spectroscopy. Journal of Raman Spectroscopy, 2010, 41, 1682-1687.	1.2	25
86	Multi-technique investigation of archaeological pottery from Parma (Italy). Journal of Raman Spectroscopy, 2010, 41, 1556-1561.	1.2	29
87	Pigments used in Roman wall paintings in the Vesuvian area. Journal of Raman Spectroscopy, 2010, 41, 1537-1542.	1.2	85
88	Analysis of photoinduced birefringence in azo-dye doped films by a fast imaging technique. Thin Solid Films, 2010, 518, 4960-4963.	0.8	1
89	Raman And SEM Characterization Of Sol-Gel Derived Nanofibers Of Tungsten Oxide. , 2010, , .		1
90	Raman Investigation Of Nanostructured Titania For Drug Delivery. , 2010, , .		0

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91	Raman Investigation On 18th Century Painted Wooden Sculptures. , 2010, , .		0
92	Raman and micro-thermometric investigation of the fluid inclusions in quartz in a gold-rich formation from Lepaguare mining district (Honduras, Central America). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 443-449.	2.0	7
93	Green pigments of the Pompeian artistsâ€™ palette. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 532-538.	2.0	109
94	Micro-Raman spectroscopy as a routine tool for garnet analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 484-491.	2.0	81
95	Photoinduced optical retardation in mesostructured dye-doped films investigated by an imaging pump-probe technique. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 384.	0.9	2
96	Micro-Raman Determination of the Composition of Ugrandite Garnets. , 2009, , .		5
97	Polariscopic imaging and vibrational characterization of hybrid films for packaging. Packaging Technology and Science, 2008, 21, 329-338.	1.3	1
98	â€“Green earthsâ€™: vibrational and elemental characterization of glauconites, celadonites and historical pigments. Journal of Raman Spectroscopy, 2008, 39, 1066-1073.	1.2	137
99	Pigments and binders in â€œMadonna col Bambino e S. Giovanninoâ€ by Botticelli investigated by micro-Raman and GC/MS. Journal of Cultural Heritage, 2008, 9, 97-102.	1.5	31
100	Spectroscopic study of the degradation products in the holy water fonts in Santa Maria della Steccata Church in Parma (Italy). Analytica Chimica Acta, 2008, 610, 74-79.	2.6	16
101	Micro-Raman spectroscopy on polyethylene-glycol assisted solâ€“gel meso and macroporous WO ₃ thin films for electrochromic applications. Thin Solid Films, 2008, 516, 4128-4132.	0.8	31
102	An investigation of photoinduced birefringence in Disperse Red 1-polymethylmethacrylate films by polariscopic imaging. Thin Solid Films, 2008, 516, 8462-8467.	0.8	5
103	Chromophore aggregation and photoinduced dichroism in solâ€“gel films. Journal of Non-Crystalline Solids, 2008, 354, 688-692.	1.5	8
104	Single-crystal X-ray and Raman investigation on melanophlogite from Varano Marchesi (Parma, Italy). American Mineralogist, 2008, 93, 88-94.	0.9	25
105	Modeling and experimental study of photoinduced anisotropy in hybrid solgel films. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 504.	0.9	7
106	XAS analysis on mesoporous vanadium oxide thin films by sol-gel. X-Ray Spectrometry, 2007, 36, 226-229.	0.9	0
107	Wide-field polarimetric analysis of photoinduced birefringence in azo-dye-doped thin films: irradiance and time dependence. Applied Physics B: Lasers and Optics, 2007, 86, 687-692.	1.1	5
108	Investigation on Painting Materials in â€œMadonna col Bambino e S. Giovanninoâ€ by Botticelli. , 2007, , 383-390.		1

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109	<title>Polarization gratings in sol-gel thin films investigated through the moving grating technique</title>. , 2006, 6252, 543.		0
110	Photoinduced dichroism in dye-doped hybrid sol-gel films. <i>Optical Materials</i> , 2006, 28, 909-912.	1.7	6
111	Synthesis and structural characterization of mesoporous V2O5 thin films for electrochromic applications. <i>Thin Solid Films</i> , 2006, 515, 1500-1505.	0.8	18
112	Photoinduced effects in hybrid sol-gel materials. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 37, 201-206.	1.1	10
113	A study of medieval illuminated manuscripts by means of portable Raman equipments. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 1012-1018.	1.2	55
114	Micro-Raman monitoring of solvent-free TEOS hydrolysis. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 495-498.	1.5	26
115	Pigments and binders in the wall paintings of Santa Maria della Steccata in Parma (Italy): the ultimate technique of Parmigianino. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 694-703.	1.2	24
116	Photorefractive gratings in DR1-doped hybrid sol-gel films. <i>Optical Materials</i> , 2004, 25, 419-423.	1.7	17
117	Sol-gel nanocrystalline brookite-rich titania films. <i>Materials Letters</i> , 2004, 58, 2618-2622.	1.3	66
118	Micro-Raman study of indium doped zirconia obtained by sol-gel. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 116-119.	1.5	17
119	Silica-based photorefractive sol-gel films for holography. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 428-432.	1.5	4
120	WO3 thin films by sol-gel for electrochromic applications. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 500-504.	1.5	52
121	Raman microspectrometric investigation of wall paintings in S. Giovanni Evangelista Abbey in Parma: a comparison between two artists of the 16th century. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 2409-2417.	2.0	44
122	Cathodoluminescence and micro-Raman characterisation of GaN/AlN QDs grown on Si (111). <i>Physica Status Solidi A</i> , 2003, 195, 26-31.	1.7	7
123	Polarization holographic gratings in hybrid solgel films doped with Disperse Red 1. <i>Optics Letters</i> , 2003, 28, 2240.	1.7	10
124	<title>Holographic gratings in hybrid sol-gel films</title>. , 2003, , .		0
125	Hybrid sol-gel films for holographic applications. , 2003, , 307-316.		0
126	A Study of the External Coloration of Historic Buildings in Parma (Italy) and Surroundings by Micro-Raman Technique. <i>Studies in Conservation</i> , 2002, 47, 24.	0.6	5

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127	Low Temperature Sol-Gel Preparation of Nanocrystalline TiO ₂ Thin Films. Journal of Sol-Gel Science and Technology, 2002, 24, 247-254.	1.1	111
128	Study of Anatase to Rutile Phase Transition in Nanocrystalline Titania Films. Journal of Sol-Gel Science and Technology, 2002, 24, 255-264.	1.1	121
129	Characterization of HVPE GaN layers by atomic force microscopy and Raman spectroscopy. Semiconductor Science and Technology, 2001, 16, 776-782.	1.0	8
130	Structural changes induced by the catalyst in hybrid sol-gel films: a micro-Raman investigation. Materials Letters, 2001, 51, 208-212.	1.3	24
131	Restoration of a Parmigianino's fresco: a micro-Raman investigation of the pictorial surface. , 2001, , .		5
132	Holographic gratings in DR1-doped sol-gel silica and ORMOSILs thin films. Optical Materials, 2001, 15, 279-284.	1.7	28
133	Hydroxy- and fluorapatite films on Ti alloy substrates: Sol-gel preparation and characterization. Journal of Materials Science, 2001, 36, 3253-3260.	1.7	58
134	<title>Nanocrystalline sol-gel prepared titania films by Raman, FTIR, XRD, and atomic force microscopy</title>. , 2001, 4469, 70.		6
135	Raman investigation of protonation of DR1 molecules in silica or ORMOSILs matrices by the sol-gel technique. Journal of Raman Spectroscopy, 2000, 31, 555-558.	1.2	11
136	Photo-induced birefringence in DR1-doped sol-gel silica and ORMOSILs thin films. Optical Materials, 2000, 15, 175-180.	1.7	40
137	Thermal stability of 12-tungstophosphoric acid supported on zirconia. Applied Catalysis A: General, 2000, 193, 215-225.	2.2	156
138	A micro-Raman study of iron-titanium oxides obtained by sol-gel synthesis. Journal of Materials Science, 2000, 35, 4301-4305.	1.7	46
139	Thermal nonlinear refraction in the dye-doped sol-gel xTiO ₂ ·(100~x)SiO ₂ system. Optical Materials, 1999, 12, 447-452.	1.7	16
140	XAFS characterization of the structural site of Yb in synthetic pyrope and grossular garnets. Physics and Chemistry of Minerals, 1999, 26, 251-256.	0.3	37
141	Micro-Raman investigation of iron oxide films and powders produced by sol-gel syntheses. Journal of Raman Spectroscopy, 1999, 30, 355-360.	1.2	464
142	Raman Study of the Polymerization Processes in Trimethoxysilylpropyl Methacrylate (TMSPM). Journal of Raman Spectroscopy, 1999, 30, 1043-1047.	1.2	17
143	A Raman Scattering Study of PbTiO ₃ and TiO ₂ Obtained by Sol-Gel. Journal of Sol-Gel Science and Technology, 1998, 13, 849-853.	1.1	28
144	Sol-Gel Preparation of γ -Fe ₂ O ₃ Thin Films: Structural Characterization by XAFS and Raman. Journal of Sol-Gel Science and Technology, 1998, 13, 667-671.	1.1	75

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145	Fe ₂ O ₃ films for \hat{z} (3) optics: Raman and XAS characterization. <i>Optical Materials</i> , 1998, 9, 368-372.	1.7	28
146	EXAFS at the BiLIII edge in Bi ₄ Ge ₃ O ₁₂ and in xBi ₂ O ₃ -(100-x)GeO ₂ glasses. <i>Journal of Non-Crystalline Solids</i> , 1998, 224, 23-30.	1.5	8
147	Raman study of nanosized titania prepared by sol-gel route. <i>Journal of Non-Crystalline Solids</i> , 1998, 232-234, 175-181.	1.5	126
148	Coordination changes in telluro-vanadate glasses containing ZnO or CdO. <i>Journal of Non-Crystalline Solids</i> , 1998, 232-234, 293-299.	1.5	15
149	Phonon confinement effects in the Raman scattering by TiO ₂ nanocrystals. <i>Applied Physics Letters</i> , 1998, 72, 73-75.	1.5	560
150	Thin films for nonlinear optics: sol-gel preparation, Raman and XAS characterization of \hat{z} -Fe ₂ O ₃ . , 1998, 3359, 334.		1
151	Sol-gel preparation and raman characterization of CdTiO ₃ . <i>Journal of Sol-Gel Science and Technology</i> , 1997, 8, 337-342.	1.1	14
152	A temperature dependent X-ray Absorption Fine Structure study of dynamic X-site disorder in almandine: a comparison to diffraction data. <i>Physics and Chemistry of Minerals</i> , 1997, 24, 200-205.	0.3	11
153	Structural and Electrical Properties of Sol-Gel-processed CdTiO ₃ Powders and Films. , 1997, 11, 137-146.		26
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