

Ph Colomban

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.

470
papers

14,481
citations

58
h-index

93
g-index

493
ext. papers

15,676
ext. citations

3.2
avg, IF

6.93
L-index

#	Paper	IF	Citations
470	Non-invasive Raman Analysis of 18th Century Chinese Export/Armorial Overglazed Porcelain: Identification of the Different Enameling Techniques. <i>Heritage</i> , 2022 , 5, 233-259	1.6	3
469	The early porcelain kilns of Arita: Identification of raw materials and their use from the 17th to the 19th century. <i>Open Ceramics</i> , 2022 , 9, 100217	3.3	0
468	On-Site Identification of Pottery with pXRF: An Example of European and Chinese Red Stonewares. <i>Heritage</i> , 2022 , 5, 88-102	1.6	0
467	On-Site Raman Spectroscopic Study of Beads from the Necropolis of Vohemar, Northern Madagascar (>13th C.). <i>Heritage</i> , 2021 , 4, 524-540	1.6	4
466	On-site contactless surface analysis of modern paintings from Galleria Nazionale (Rome) by reflectance FTIR and Raman spectroscopies. <i>Talanta</i> , 2021 , 227, 122159	6.2	3
465	Cobalt and Associated Impurities in Blue (and Green) Glass, Glaze and Enamel: Relationships between Raw Materials, Processing, Composition, Phases and International Trade. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 633	2.4	11
464	Glazes and Enamels 2021 , 1309-1325		2
463	Raman identification of the different glazing technologies of Blue-and-White Ming porcelains. <i>Ceramics International</i> , 2021 , 48, 1673-1673	5.1	3
462	The Technology Transfer from Europe to China in the 17th-18th Centuries: Non-Invasive On-Site XRF and Raman Analyses of Chinese Qing Dynasty Enamelled Masterpieces Made Using European Ingredients/Recipes. <i>Materials</i> , 2021 , 14,	3.5	4
461	7. Raman microspectroscopy for Cultural Heritage studies 2020 , 151-180		1
460	Non-Invasive On-Site Raman Study of Pigments and Glassy Matrix of 17th-18th Century Painted Enamelled Chinese Metal Wares: Comparison with French Enamelling Technology. <i>Coatings</i> , 2020 , 10, 471	2.9	16
459	Post-15th century European glass beads in southern Africa: Composition and classification using pXRF and Raman spectroscopy. <i>Journal of Archaeological Science: Reports</i> , 2020 , 29, 102183	0.7	4
458	European ceramic technology in the Far East: enamels and pigments in Japanese art from the 16th to the 20th century and their reverse influence on China. <i>Heritage Science</i> , 2020 , 8,	2.5	15
457	Raman spectroscopic and SEM/EDXS analyses of high translucent Nantgarw porcelain. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 4664-4675	6	15
456	Non-invasive on-site Raman study of polychrome and white enamelled glass artefacts in imitation of porcelain assigned to Bernard Perrot and his followers. <i>Journal of Raman Spectroscopy</i> , 2020 , 51, 133-146	2.2	15
455	Blue- and Brown-speckled pottery from Qalhġ, the Sultanate of Oman (13th-16th centuries): Comparison with traditional Omani 19th century productions. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2020 , 61, 13-13	1.9	1
454	An on-site Raman and pXRF study of Joseph Coteau and Philippe Parpette's jewelled porcelain: a summit of ceramic art. <i>Journal of Cultural Heritage</i> , 2020 , 46, 82-94	2.9	1

453	Enhanced structural and magnetic properties of fcc colloidal crystals of cobalt nanoparticles. <i>Nanoscale</i> , 2020 , 12, 24020-24029	7.7	1
452	Portable X-ray Fluorescence (p-XRF) Uncertainty Estimation for Glazed Ceramic Analysis: Case of Iznik Tiles. <i>Heritage</i> , 2020 , 3, 1302-1329	1.6	11
451	Pigments and glassy matrix of the 17th-18th century enamelled French watches: A non-invasive on-site Raman and pXRF study. <i>Journal of Cultural Heritage</i> , 2020 , 44, 1-14	2.9	20
450	Investigation of the Pigments and Glassy Matrix of Painted Enamelled Qing Dynasty Chinese Porcelains by Noninvasive On-Site Raman Microspectrometry. <i>Heritage</i> , 2020 , 3, 915-940	1.6	12
449	Chemical Preparation Routes and Lowering the Sintering Temperature of Ceramics. <i>Ceramics</i> , 2020 , 3, 312-339	1.7	3
448	Asbestos-Based Pottery from Corsica: The First Fiber-Reinforced Ceramic Matrix Composite. <i>Materials</i> , 2020 , 13,	3.5	3
447	Identification of Lithol Red Synthetic Organic Pigment Reveals the Cause of Paint Layer Degradation on the Lazar Vozarević Painting "Untitled" with Copper Plates. <i>Heritage</i> , 2019 , 2, 2612-2624	1.6	3
446	The Chronology of Insiza Cluster Khami-Phase Sites in South-Western Zimbabwe: Compositional Insights from pXRF and Raman Analysis of Excavated Exotic Glass Finds. <i>Archaeometry</i> , 2019 , 61, 874-890	1.6	8
445	Proton conductors and their applications: A tentative historical overview of the early researches. <i>Solid State Ionics</i> , 2019 , 334, 125-144	3.3	32
444	Stability of lauric acid at high pressure studied by Raman spectroscopy and picosecond acoustics. <i>European Physical Journal B</i> , 2019 , 92, 1	1.2	0
443	The Raman signature of protonic species as a potential tool for dating or authentication of glazed pottery. <i>Journal of Raman Spectroscopy</i> , 2019 , 50, 696-710	2.3	9
442	On-site pXRF analysis of body, glaze and colouring agents of the tiles at the excavation site of Iznik kilns. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 2199-2209	6	11
441	Glass Beads, Markers of Ancient Trade in Sub-Saharan Africa: Methodology, State of the Art and Perspectives. <i>Heritage</i> , 2019 , 2, 2343-2369	1.6	18
440	Understanding Fracture and Fatigue at the Chemical Bond Scale: Potential of Raman Spectroscopy 2019 , 655-672		
439	On-site pXRF analysis of glaze composition and colouring agents of "Iznik" tiles at Edirne mosques (15th and 16th-centuries). <i>Ceramics International</i> , 2019 , 45, 595-605	5.1	16
438	FTIR spectroscopic semi-quantification of iron phases: A new method to evaluate the protection ability index (PAI) of archaeological artefacts corrosion systems. <i>Corrosion Science</i> , 2018 , 133, 68-77	6.8	51
437	Non-invasive on-site Raman study of blue-decorated early soft-paste porcelain: The use of arsenic-rich (European) cobalt ores - Comparison with huafalang Chinese porcelains. <i>Ceramics International</i> , 2018 , 44, 9018-9026	5.1	25
436	Graphene and related 2D materials: An overview of the Raman studies. <i>Journal of Raman Spectroscopy</i> , 2018 , 49, 8-12	2.3	44

435	On-site Raman study of artwork: Procedure and illustrative examples. <i>Journal of Raman Spectroscopy</i> , 2018 , 49, 921-934	2.3	31
434	Understanding Fracture and Fatigue at the Chemical Bond Scale: Potential of Raman Spectroscopy 2018 , 1-19		
433	The short-range structure and hydration process of fluorine-substituted double perovskites based on barium-calcium niobate Ba ₂ CaNbO _{5.5} . <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 118, 32-39	3.9	10
432	Silk 2018 , 137-183		4
431	Regenerated silk matrix composite materials reinforced by silk fibres: Relationship between processing and mechanical properties. <i>Journal of Composite Materials</i> , 2018 , 52, 2301-2311	2.7	9
430	Raman microspectroscopy for Cultural Heritage studies. <i>Physical Sciences Reviews</i> , 2018 , 3,	1.4	7
429	Non-invasive Raman identification of crystalline and glassy phases in a 1781 Sèvres Royal Factory soft paste porcelain plate. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 5228-5233	6	28
428	On-site Raman analysis of 17th and 18th century Limoges enamels: Implications on the European cobalt sources and the technological relationship between Limoges and Chinese enamels. <i>Ceramics International</i> , 2017 , 43, 10158-10165	5.1	35
427	Raman and XRF classification of Asian and European glass beads recovered at Mutamba, a southern African Middle Iron Age site. <i>Journal of Archaeological Science: Reports</i> , 2017 , 13, 333-340	0.7	6
426	Non-invasive Raman analyses of Chinese huafalang and related porcelain wares. Searching for evidence for innovative pigment technologies. <i>Ceramics International</i> , 2017 , 43, 12079-12088	5.1	36
425	Crystal structure, chemical stability and electrical properties of Sr ₂ MnNbO ₆ and Sr ₂ Cr _{0.5} Mn _{0.5} NbO ₆ and Sr ₂ CuNbO ₆ perovskites. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 3179-3187	2.6	3
424	Revisiting Baranda: a multi-analytical approach in classifying sixteenth/seventeenth-century glass beads from northern Zimbabwe. <i>Antiquity</i> , 2017 , 91, 751-764	1	12
423	Structural modifications of lanthanum silicate oxyapatite exposed to high water pressure. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2149-2158	6	8
422	Comparative analysis of wucai Chinese porcelains using mobile and fixed Raman microspectrometers. <i>Ceramics International</i> , 2017 , 43, 14244-14256	5.1	39
421	Amino-methyl coumarin as a potential SERS@Ag probe for the evaluation of protease activity and inhibition. <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 82-88	2.3	10
420	UV-Vis-NIR and micro Raman spectroscopies for the non destructive identification of Cd ²⁺ Zn ²⁺ x S solid solutions in cadmium yellow pigments. <i>Microchemical Journal</i> , 2016 , 124, 856-867	4.8	54
419	Solvent Effects on Cobalt Nanocrystal Synthesis: A Facile Strategy To Control the Size of Co Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 22054-22061	3.8	11
418	Metal nanoparticles in contemporary potters' master pieces: Lustre and red 'pigeon blood' potteries as models to understand the ancient pottery. <i>Ceramics International</i> , 2016 , 42, 15349-15357	5.1	23

417	Unravelling the glass trade bead sequence from Magoro Hill, South Africa: separating pre-seventeenth-century Asian imports from later European counterparts. <i>Heritage Science</i> , 2016 , 4, 4,	2.5	12
416	Towards refining the classification of glass trade beads imported into Southern Africa from the 8th to the 16th century AD. <i>Journal of Cultural Heritage</i> , 2016 , 19, 435-444	2.9	16
415	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	2.1	35
414	Low wavenumber Raman scattering of cobalt nanoparticles self-organized in 3D superlattices far from surface plasmon resonance. <i>Journal of Raman Spectroscopy</i> , 2016 , 47, 248-251	2.3	10
413	Natural Nanosized Raw Materials and Sol-Gel Technology: The Base of Pottery Since Millenniums 2016 , 59-73		
412	UV-Vis-NIR and microRaman spectroscopies for investigating the composition of ternary Cd _{1-x} Se _x solid solutions employed as artists' pigments. <i>Microchemical Journal</i> , 2016 , 125, 279-289	4.8	22
411	Beads excavated from Antsiraka Boira necropolis (Mayotte Island, 12th-13th centuries). <i>ArcheoSciences</i> , 2016 , 83-102	0.1	10
410	Cd _x Se _{1-x} quantum dots as colouring agents of Art Nouveau and contemporary stained glass: a combined transmission electron microscopy and Raman study. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016 , 374,	3	10
409	On-site identification of Sceaux porcelain and faience using a portable Raman instrument. <i>Ceramics International</i> , 2016 , 42, 14918-14927	5.1	23
408	Late Roman and Byzantine mosaic opaque glass-ceramics tesserae (5th-9th century). <i>Ceramics International</i> , 2016 , 42, 18859-18869	5.1	27
407	The role of marine aerosol in the formation of (double) sulfate/nitrate salts in plasters. <i>Microchemical Journal</i> , 2015 , 123, 148-157	4.8	24
406	Structural stability of anhydrous proton conducting SrZr _{0.9} Er _{0.1} O ₃ perovskite ceramic vs. protonation/deprotonation cycling: Neutron diffraction and Raman studies. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 83, 85-95	3.9	9
405	Protonation and structural/chemical stability of Ln ₂ NiO ₄ + δ ceramics vs. H ₂ O/CO ₂ : High temperature/water pressure ageing tests. <i>Journal of Alloys and Compounds</i> , 2015 , 622, 1074-1085	5.7	15
404	The origin of Mg sulphate and other salts formed on pure calcium carbonate substrate tufa stone blocks built into the Gradac Monastery, Serbia. <i>Construction and Building Materials</i> , 2015 , 98, 25-34	6.7	8
403	Chemical and structural stability of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O ₃ ceramic vs. medium/high water vapor pressure. <i>Ceramics International</i> , 2015 , 41, 14137-14147	5.1	26
402	Colouring Agents in the Pottery Glazes of Western Anatolia: New Evidence for the Use of Naples Yellow Pigment Variations During The Late Byzantine Period. <i>Archaeometry</i> , 2015 , 57, 476-496	1.6	27
401	Toward a fast non-destructive identification of pottery: The sourcing of 14th-16th century Vietnamese and Chinese ceramic shards. <i>Journal of Cultural Heritage</i> , 2015 , 16, 159-172	2.9	32
400	Toward a Raman/FORS discrimination between Art Nouveau and contemporary stained glasses from Cd _x Se _{1-x} nanoparticles signatures. <i>Journal of Raman Spectroscopy</i> , 2015 , 46, 1129-1139	2.3	25

399	On-Site Identification of Early Böttger Red Stoneware Using Portable XRF/Raman Instruments: 2, Glaze & Gilding Analysis. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3006-3013	3.8	31
398	Water pressure enhanced sintering of alkaline-earth perovskite ceramics. <i>Ceramics International</i> , 2015 , 41, 11528-11533	5.1	1
397	Fourier Transform Raman and Statistical Analysis of Thermally Altered Samples of Amber. <i>Applied Spectroscopy</i> , 2015 , 69, 1457-63	3.1	7
396	The influence of building materials on salt formation in rural environments. <i>Environmental Earth Sciences</i> , 2014 , 72, 1939-1951	2.9	22
395	The source of blue colour of archaeological glass and glazes: the Raman spectroscopy/SEM-EDS answers. <i>Journal of Raman Spectroscopy</i> , 2014 , 45, 1251-1259	2.3	22
394	Combined bulk and surface analysis of the BaCe _{0.5} Zr _{0.3} Y _{0.16} Zn _{0.04} O _{3-δ} (BCZY) ceramic proton-conducting electrolyte. <i>Solid State Ionics</i> , 2014 , 262, 870-874	3.3	27
393	Origin of the variability of the mechanical properties of silk fibers: 4. Order/crystallinity along silkworm and spider fibers. <i>Journal of Raman Spectroscopy</i> , 2014 , 45, 895-902	2.3	14
392	Inside the glassmaker technology: search of Raman criteria to discriminate between Emile Gallé and Philippe-Joseph Brocard enamels and pigment signatures. <i>Journal of Raman Spectroscopy</i> , 2014 , 45, 456-464	2.3	20
391	Water dependent structural changes of silk from Bombyx mori gland to fibre as evidenced by Raman and IR spectroscopies. <i>Vibrational Spectroscopy</i> , 2014 , 73, 79-89	2.1	47
390	Protective ability index measurement through Raman quantification imaging to diagnose the conservation state of weathering steel structures. <i>Journal of Raman Spectroscopy</i> , 2014 , 45, 1076-1084	2.3	38
389	Stress and temperature driven phase transitions in single crystalline KNbO ₃ and textured KNL-NTS ceramics: A Raman and thermal expansion study 2014 ,		1
388	Rocks as blue, green and black pigments/dyes of glazed pottery and enamelled glass artefacts ? A review. <i>European Journal of Mineralogy</i> , 2014 , 25, 863-879	2.2	34
387	On-Site Identification of Early Böttger Red Stoneware Made at Meissen Using Portable XRF: 1, Body Analysis. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2745-2754	3.8	29
386	Understanding the nano- and macromechanical behaviour, the failure and fatigue mechanisms of advanced and natural polymer fibres by Raman/IR microspectrometry. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013 , 4, 013001	1.6	9
385	Testing the Chemical/Structural Stability of Proton Conducting Perovskite Ceramic Membranes by in Situ/ex Situ Autoclave Raman Microscopy. <i>Membranes</i> , 2013 , 3, 311-30	3.8	25
384	Lacquerware Pigment Identification with Fixed and Mobile Raman Microspectrometers: A Potential Technique to Differentiate Original/Fake Artworks. <i>Arts</i> , 2013 , 2, 111-123	0.3	28
383	Mobile Raman spectroscopy analysis of ancient enamelled glass masterpieces. <i>Analytical Methods</i> , 2013 , 5, 4345	3.2	40
382	Portuguese tin-glazed earthenware from the 16th century: A spectroscopic characterization of pigments, glazes and pastes. <i>Applied Surface Science</i> , 2013 , 285, 144-152	6.7	19

381	Portuguese tin-glazed earthenware from the 17th century. Part 1: pigments and glazes characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 104, 437-444	4.4	20
380	Bulk protons in anhydrous perovskites—neutron scattering studies. <i>Solid State Ionics</i> , 2013 , 252, 7-11	3.3	9
379	Non-Destructive Raman Analysis of Ancient Glasses and Glazes 2013 , 275-300		3
378	In search of the optimum Raman/IR signatures of potential ingredients used in San/Bushman rock art paint. <i>Journal of Archaeological Science</i> , 2013 , 40, 2981-2990	2.9	40
377	Proton and Protonic Species: The Hidden Face of Solid State Chemistry. How to Measure H-Content in Materials?. <i>Fuel Cells</i> , 2013 , 13, 6-18	2.9	47
376	Vibrational properties of silicates: A cluster model able to reproduce the effect of SiO_4 polymerization on Raman intensities. <i>Journal of Non-Crystalline Solids</i> , 2013 , 370, 10-17	3.9	28
375	Aqua oxyhydroxycarbonate second phases at the surface of Ba/Sr-based proton conducting perovskites: a source of confusion in the understanding of proton conduction. <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 312-320	2.3	33
374	Heterogeneity in iron-doped titania flower-like nanocrystalline aggregates: detection of brookite and anatase/rutile size-strain modeling. <i>Journal of Applied Crystallography</i> , 2013 , 46, 1874-1876	3.8	4
373	The Destructive/Non-Destructive Identification of Enamelled Pottery, Glass Artifacts and Associated Pigments—A Brief Overview. <i>Arts</i> , 2013 , 2, 77-110	0.3	52
372	The origin of syngenite in black crusts on the limestone monument King's Gate (Belgrade Fortress, Serbia) —the role of agriculture fertiliser. <i>Journal of Cultural Heritage</i> , 2012 , 13, 175-186	2.9	33
371	Ruby micro-piezospectroscopy in $\text{GdAlO}_3/\text{Al}_2\text{O}_3(\text{ZrO}_2)$, $\text{Er}_3\text{Al}_5\text{O}_{12}/\text{Al}_2\text{O}_3(\text{ZrO}_2)$ and $\text{Y}_3\text{Al}_5\text{O}_{12}/\text{Al}_2\text{O}_3(\text{ZrO}_2)$ binary and ternary directionally solidified eutectics. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 2145-2151	6	12
370	Testing of Raman spectroscopy as a non-invasive tool for the investigation of glass-protected miniature portraits. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 294-302	2.3	31
369	Sol-Gel Routes and Proton Conductors 2012 , 59-71		
368	Optimum temperature range for the proton dynamics in H-doped $\text{BaZrO}_3:\text{Yb}$ dense ceramics—neutron scattering study. <i>Journal of Materials Research</i> , 2012 , 27, 1939-1949	2.5	8
367	Raman Mapping for the Investigation of Nano-phased Materials. <i>Springer Series in Optical Sciences</i> , 2012 , 85-118	0.5	12
366	The on-site/remote Raman analysis with mobile instruments: a review of drawbacks and success in cultural heritage studies and other associated fields. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 1529-1535	2.3	134
365	The structural and dynamics neutron study of proton conductors: Difficulties and improvement procedures in protonated perovskite. <i>European Physical Journal: Special Topics</i> , 2012 , 213, 171-193	2.3	17
364	Structural modifications induced by free protons in proton conducting perovskite zirconate membrane. <i>Solid State Ionics</i> , 2012 , 225, 214-218	3.3	14

363	Chapter 8:Pottery, Glass and Enamelled Artefacts: How to Extract Information on their Manufacture Technology, Origin and Age? 2012 , 245-267		10
362	Origin of the variability of the mechanical properties of silk fibres: 1 - The relationship between disorder, hydration and stress/strain behaviour. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 425-432	2.3	21
361	Raman classification of glass beads excavated on Mapungubwe hill and K2, two archaeological sites in South Africa. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 532-542	2.3	26
360	Characterization of pottery from Republic of Macedonia. III. A study of comparative mineralogical detection efficiency using micro-Raman mapping and X-ray diffraction. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 792-798	2.3	13
359	On-site Raman and XRF analysis of Japanese/Chinese bronze/brass patina –the search for specific Raman signatures. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 799-808	2.3	41
358	Origin of the variability of the mechanical properties of silk fibres: 3. Order and macromolecule orientation in Bombyx mori bave, hand-stretched strings and Nephila madagascarensis spider fibres. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 1042-1048	2.3	15
357	Origin of the variability of the mechanical properties of silk fibres: 2 The nanomechanics of single silkworm and spider fibres. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 1035-1041	2.3	20
356	Pigments and enamelling/gilding technology of Mamluk mosque lamps and bottle. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 1975-1984	2.3	44
355	Raman study of model glass with medieval compositions: artificial weathering and comparison with ancient samples. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 1817-1823	2.3	16
354	Proton content and nature in perovskite ceramic membranes for medium temperature fuel cells and electrolyser. <i>Membranes</i> , 2012 , 2, 493-509	3.8	32
353	High water pressure - high temperature autoclave for in situ Raman study of fuel cell/electrolyser materials. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1385, 1		3
352	Structural and Electrical Properties of Nanostructured Ba _{0.8} Sr _{0.2} TiO ₃ Films Deposited by Pulsed Laser Deposition. <i>Journal of Nano Research</i> , 2012 , 18-19, 299-306	1	
351	Face to face with enemy—analysis of aqua carbonate hydroxide second surface phases in proton conducting perovskite ceramic electrolytic membrane.. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1384, 1		5
350	Raman Spectroscopy of Ceramics and Glasses 2012 , 469-479		2
349	Effects of Eu ³⁺ concentration on structural, optical and vibrational properties of multifunctional Ce(1-x)Eu(x)O ₂ -delta nanoparticles synthesized by thermolysis of 2,4-pentanedione complexes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 8893-9	1.3	7
348	Raman Image of the SiC Fibers Nanostructure. <i>Ceramic Transactions</i> , 2012 , 101-108	0.1	
347	Confocal Raman Imaging of (Uncoated/Coated) HPZ Fibers Reinforcing Celsian Matrix Composites, Before and After Alkaline Corrosion. <i>Ceramic Transactions</i> , 2012 , 203-215	0.1	
346	Raman and Rayleigh Imaging of the Corrosion Process of SiC Fibers. <i>Ceramic Transactions</i> , 2012 , 47-54	0.1	

345	Heterogeneity and Disorder in Ti _{1-x} FeyO ₂ Nanocrystal Rutile-Based Flowerlike Aggregates: Detection of Anatase. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4395-4403	3.8	15
344	A Raman spectroscopic study of glass trade beads excavated at Mapungubwe hill and K2, two archaeological sites in southern Africa, raises questions about the last occupation date of the hill. <i>Journal of Archaeological Science</i> , 2011 , 38, 3264-3277	2.9	40
343	What is the true nature of conducting proton in perovskite ceramic membrane: hydroxyl ion or interstitial proton ?. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1309, 141		9
342	SiC, from Amorphous to Nanosized Materials, the Exemple of SiC Fibres Issued of Polymer Precursors 2011 ,		2
341	Potential and Drawbacks of Raman (Micro)spectrometry for the Understanding of Iron and Steel Corrosion 2011 ,		9
340	Pigment identification of a rare 18th century wallpaper from Buffon library. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 192-194	2.3	10
339	The first in situ Raman spectroscopic study of San rock art in South Africa: procedures and preliminary results. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 399-406	2.3	88
338	Testing of Raman spectroscopy as a non-invasive tool for the investigation of glass-protected pastels. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 790-798	2.3	29
337	A Raman spectroscopic study of the igneous rocks on Marion Island: a possible terrestrial analogue for the geology on Mars. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 626-632	2.3	23
336	Raman identification of strongly absorbing phases: the ceramic black pigments. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 839-843	2.3	28
335	Off-resonance Raman analysis of wurtzite CdS ground to the nanoscale: structural and size-related effects. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 1007-1015	2.3	58
334	Substitution and proton doping effect on SrZrO ₃ behaviour: high-pressure Raman study. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 2089-2099	2.3	31
333	Crack propagation and stress distribution in binary and ternary directionally solidified eutectic ceramics. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 1199-1210	6	25
332	Origins of rapid aging of Ba-based proton conducting perovskites. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1311, 10701		8
331	Influence of Heat Treatment on the Physical Transformations of Flint Used by Neolithic Societies in the Western Mediterranean. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1319, 1		9
330	Applications of Modern Analysis Techniques in Searching back Ancient Art Ceramic Technologies. <i>Journal of Analytical Science and Technology</i> , 2011 , 2, A78-A83	3.4	2
329	Probing the Nanodomain Origin and Phase Transition Mechanisms in (Un)Poled PMN-PT Single Crystals and Textured Ceramics. <i>Materials</i> , 2010 , 3, 5007-5028	3.5	47
328	Proton Dynamics and Structural Modifications in the Protonic Conductor Perovskites. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 1-6	1.5	50

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15	Crystal structure and ion-ion correlation in ion-rich γ -alumina type compounds. II. potassium γ -ferrite. <i>Solid State Ionics</i> , 1980 , 1, 69-76	3.3	23
14	Ceramiques d'alumine et de ferrite pour sonde a protons. <i>Materials Research Bulletin</i> , 1980 , 15, 1817-1827		18
13	Vibrational study of and conduction mechanism in γ -alumina. I. Stoichiometric γ -alumina. <i>Journal of Chemical Physics</i> , 1980 , 72, 1213-1224	3.9	67
12	X-ray-scattering study of the fast-ion conductor γ -alumina. <i>Physical Review B</i> , 1980 , 22, 5912-5923	3.3	99
11	Neutron scattering study of the proton dynamics in NH_4^+ and OH^{3-} γ -alumina. <i>Journal De Physique</i> , 1980 , 41, 273-280		26
10	Infrared study of $\text{H}^+(\text{H}_2\text{O})_n$ γ -alumina. <i>Solid State Communications</i> , 1979 , 32, 467-471	1.6	20
9	X-Ray scattering Evidence for Sublattice Phase Transition in Stoichiometric Silver γ -Alumina. <i>Physical Review Letters</i> , 1979 , 42, 785-787	7.4	28
8	Elaboration de ceramiques superconductrices anisotropes (Na^+ γ - Al_2O_3) par chauffage microondes. <i>Materials Research Bulletin</i> , 1978 , 13, 135-139	5.1	11
7	RELATION STRUCTURE-CONDUCTIVITÉ IONIQUE DANS LES COMPOSÉS DE TYPE ALUMINE γ <i>Journal De Physique Colloque</i> , 1978 , 39, C2-204-C2-213		4
6	Vibrational spectra and structure of $\text{H}^+(\text{H}_2\text{O})_n$ γ -alumina. <i>Journal of Chemical Physics</i> , 1977 , 67, 5244-5251	3.9	46
5	Optical spectroscopy of silicates and glasses. <i>Spectroscopic Properties of Inorganic and Organometallic Compounds</i> , 128-149		12
4	Alkaline Corrosion of SiC and Carbon Fibers Surface - A Raman and Electron Microscopy Study. <i>Ceramic Transactions</i> , 157-168	0.1	

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