Howell Edwards

List of Publications by Year
in descending order

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314 papers	10,892 citations	28274 55 h-index	56724 83 g-index
369 all docs	369 docs citations	369 times ranked	7678 citing authors

#	Article	IF	Citations
1	Case Studies I. Analytical Data Which Have Materially Contributed Towards the Factory Attribution of Porcelain Specimens. Cultural Heritage Science, 2022, , 207-249.	0.4	0
2	Case Studies II: Analytical Data Which Have Revealed that Significant Revision Is Required to the Perceived Historical Knowledge of Porcelain Factories (Part A). Cultural Heritage Science, 2022, , 251-281.	0.4	0
3	The Answer Lies in the Glaze!. Cultural Heritage Science, 2022, , 381-398.	0.4	0
4	Analysis of brown, violet and blue pigments of microorganisms by Raman spectroscopy. TrAC - Trends in Analytical Chemistry, 2022, 146, 116501.	11.4	7
5	Welsh Armorial Porcelain. , 2022, , .		7
6	The Diversity of Linear Conjugated Polyenes and Colours in Nature: Raman Spectroscopy as a Diagnostic Tool. ChemPhysChem, 2021, 22, 231-249.	2.1	17
7	Firing temperature determination of some18th century Transylvanian stove tiles using spectroscopic techniques. Vibrational Spectroscopy, 2021, 113, 103227.	2.2	1
8	Detection of carbonate, phosphate minerals and cyanobacteria in rock from the Tomtor deposit, Russia, by Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 250, 119372.	3.9	10
9	The enamels of the first (softâ€paste) European blueâ€andâ€white porcelains: Rouen, Saintâ€Cloud and Paris factories: Complementarity of Raman and Xâ€ray fluorescence analyses with mobile instruments to identify the cobalt ore. Journal of Raman Spectroscopy, 2021, 52, 2246-2261.	2.5	16
10	Green and blue pigments in Roman wall paintings: A challenge for Raman spectroscopy. Journal of Raman Spectroscopy, 2021, 52, 2190-2203.	2.5	14
11	Coloration patterns of marine sponges assessed by vibrational spectroscopy. Journal of Raman Spectroscopy, 2021, 52, 2581-2596.	2.5	2
12	Raman spectroscopic search for scytonemin and gloeocapsin in endolithic colonizations in large gypsum crystals. Journal of Raman Spectroscopy, 2021, 52, 2633-2647.	2.5	9
13	The use of Raman and infrared spectroscopy in determining the space symmetry group among the groups with the same rules of systematic absence in the diffraction patterns: Some basic principles and applications. Journal of Raman Spectroscopy, 2021, 52, 2058-2067.	2.5	4
14	A spectroscopic analysis of late 16th century domestic wall paintings in the Saracens Head Inn, Nottinghamshire, UK. Journal of Raman Spectroscopy, 2021, 52, 2218-2227.	2.5	1
15	Raman spectroscopic and elemental analysis of bone from a prehistoric ancestor: Mrs Ples from the Sterkfontein cave. Journal of Raman Spectroscopy, 2021, 52, 2272-2281.	2.5	4
16	Development of a Surface-Enhanced Raman Spectroscopic Methodology to Detect Immobilized Organic Materials in Biogeological Contexts. Astrobiology, 2021, 21, 1089-1098.	3.0	1
17	New insights on plasters, pigments and binder in mural paintings of the Setka tomb (QH 110), Elephantine, Aswan, Upper Egypt. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120153.	3.9	6
18	Tribute to Derek Long: An instant snapshot of the development of Raman spectroscopy and its application in the fields of instrumentation and methodology, solidâ€state materials, cultural heritage, DFT modeling and applications in biology, microbiology, and medicine. Journal of Raman Spectroscopy, 2021, 52, 1966-1979.	2.5	0

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19	Derek A. Long: An appreciation by H. G. M. Edwards. Journal of Raman Spectroscopy, 2021, 52, 1983-1988.	2.5	1
20	Raman spectroscopic vibrational analysis of the complex iron sulfates clairite, metavoltine, and voltaite from the burning coal dump Anna I, Alsdorf, Germany. Journal of Raman Spectroscopy, 2020, 51, 1454-1461.	2.5	8
21	Histology and Raman spectroscopy of limed human remains from the Rwandan Genocide. Journal of Clinical Forensic and Legal Medicine, 2020, 70, 101895.	1.0	6
22	Raman spectra of a graphiteâ€“nontronite association in marbles from Oltrek Island (Lake Baikal,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	10
23	How to survive winter?. , 2020, , 101-125.		1
24	Vertebrate viruses in polar ecosystems. , 2020, , 126-148.		0
25	Life in the extreme environments of our planet under pressure. , 2020, , 151-183.		0
26	Chemical ecology in the Southern Ocean. , 2020, , 251-278.		1
27	Physiological traits of the Greenland sharkSomniosus microcephalusobtained during the TUNU-Expeditions to Northeast Greenland. , 2020, , 11-41.		0
28	Metazoan adaptation to deep-sea hydrothermal vents. , 2020, , 42-67.		4
29	Extremophiles populating high-level natural radiation areas (HLNRAs) in Iran. , 2020, , 68-86.		1
30	Metazoan life in anoxic marine sediments. , 2020, , 89-100.		0
31	The ecophysiology of responding to change in polar marine benthos. , 2020, , 184-217.		0
32	The Southern Ocean: an extreme environment or just home of unique ecosystems?. , 2020, , 218-233.		1
33	Metabolic and taxonomic diversity in antarctic subglacial environments. , 2020, , 279-296.		2
34	Analytical astrobiology: the search for life signatures and the remote detection of biomarkers through their Raman spectral interrogation. , 2020, , 301-318.		1
35	Adaptation/acclimatisation mechanisms of oxyphototrophic microorganisms and their relevance to astrobiology. , 2020, , 319-342.		0
36	Life at the extremes. , 2020, , 343-354.		0

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37	Raman Spectroscopic Analysis of an Early 20th Century English Painted Organ Case by Temple Moore. Heritage, 2020, 3, 1148-1161.	1.9	4
38	Microorganisms in cryoturbated organic matter of Arctic permafrost soils. , 2020, , 234-250.		0
39	18th and 19th Century Porcelain Analysis. , 2020, , .		17
40	Porcelain and Its Composition. , 2020, , 1-35.		0
41	The Earliest Porcelain in Europe â€¦ Meissen?. , 2020, , 207-214.		0
42	The Molecular Spectroscopic Analysis of Porcelains. , 2020, , 179-206.		0
43	Analytical Studies of Porcelains: Correlation with the Holistic Information About the Eighteenth and Nineteenth Century Factories. , 2020, , 101-155.		0
44	Raman spectroscopy and electronic microscopy structural studies of Caucasian and Afro human hair. Heliyon, 2019, 5, e01582.	3.2	22
45	The Nantgarw China Works Site and Excavated Porcelain Shards. , 2019, , 121-161.		0
46	Limits of Life and the Habitability of Mars: The ESA Space Experiment BIOMEX on the ISS. Astrobiology, 2019, 19, 145-157.	3.0	111
47	Raman Spectroscopic Studies of Swansea and Nantgarw Porcelains. , 2018, , 113-163.		0
48	Analytical Results and Correlation with Recipes and Formulations. , 2018, , 39-74.		0
49	IR and Raman Spectroscopies, The Study of Art Works. , 2017, , 378-393.		0
50	Analyzing and Interpreting Lime Burials from the Spanish Civil War (1936â€“1939): A Case Study from La Carcavilla Cemetery. Journal of Forensic Sciences, 2017, 62, 498-510.	1.6	7
51	Accurate Differentiation of Carotenoid Pigments Using Flight Representative Raman Spectrometers. Astrobiology, 2017, 17, 351-362.	3.0	11
52	A definitive analytical spectroscopic study of Indian yellow, an ancient pigment used for dating purposes. Forensic Science International, 2017, 271, 1-7.	2.2	19
53	Porcelain shards from Portuguese wrecks: Raman spectroscopic analysis of marine archaeological ceramics. Heritage Science, 2017, 5, .	2.3	16
54	Raman spectroscopic analysis of the effect of the lichenicolous fungus Xanthoriicola physciae on its lichen host. Symbiosis, 2017, 71, 57-63.	2.3	7

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55	The Scientific Analysis of Porcelain. , 2017, , 97-126.		0
56	Raman spectroscopy in art and archaeology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160052.	3.4	16
57	Raman spectroscopic analysis of an important Visigothic historiated manuscript. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160041.	3.4	12
58	Raman spectroscopic analysis of archaeological specimens from the wreck of HMS Swift , 1770. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160053.	3.4	3
59	The preservation of archaeological brain remains in a human skeleton. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160208.	3.4	0
60	Raman spectroscopic analysis of a â€˜ noli me tangere â€™ painting. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160044.	3.4	7
61	Avoiding misidentification of bands in planetary Raman spectra. Journal of Raman Spectroscopy, 2015, 46, 863-872.	2.5	12
62	Forensic and security applications of a longâ€wavelength dispersive Raman system. Journal of Raman Spectroscopy, 2015, 46, 322-326.	2.5	11
63	Raman spectra of natural carbonaceous materials from a black shale formation. Journal of Raman Spectroscopy, 2015, 46, 959-963.	2.5	12
64	Study of carotenoids in cyanobacteria by Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 373-380.	3.9	31
65	Biogeological Analysis of Desert Varnish Using Portable Raman Spectrometers. Astrobiology, 2015, 15, 442-452.	3.0	18
66	Raman spectroscopic study of the Chromobacterium violaceum pigment violacein using multiwavelength excitation and DFT calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 459-467.	3.9	17
67	Selection of Portable Spectrometers for Planetary Exploration: A Comparison of 532â€‰nm and 785â€‰nm Raman Spectroscopy of Reduced Carbon in Archean Cherts. Astrobiology, 2015, 15, 420-429.	3.0	20
68	Impact shocked rocks as protective habitats on an anoxic early Earth. International Journal of Astrobiology, 2015, 14, 115-122.	1.6	31
69	Raman spectroscopic study of â€œThe Malatestaâ€ A Renaissance painting?. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 45-49.	3.9	9
70	Ancient Inks: A Forensic Art Historical Perspective. Encyclopedia of Earth Sciences Series, 2015, , 48-52.	0.1	4
71	Raman spectroscopy on Mars: identification of geological and bio-geological signatures in Martian analogues using miniaturized Raman spectrometers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140204.	3.4	29
72	Raman spectroscopy meets extremophiles on Earth and Mars: studies for successful search of life. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140207.	3.4	24

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73	Will-o'-the-Wisp : an ancient mystery with extremophile origins?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140206.	3.4	5
74	Detection of pigments of halophilic endoliths from gypsum: Raman portable instrument and European Space Agency's prototype analysis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140203.	3.4	16
75	Ancient Inks: A Forensic Art Historical Perspective. , 2014, , 1-7.		1
76	Analytical Raman spectroscopy in a forensic art context: The non-destructive discrimination of genuine and fake lapis lazuli. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 415-419.	3.9	17
77	Raman Spectroscopy of Microbial Pigments. Applied and Environmental Microbiology, 2014, 80, 3286-3295.	3.1	140
78	Scytonin, a novel cyanobacterial photoprotective pigment: calculations of Raman spectroscopic biosignatures. Journal of Molecular Modeling, 2014, 20, 2157.	1.8	7
79	Raman spectroscopic fingerprints of scytonemin-imine: density functional theory calculations of a novel potential biomarker. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140201.	3.4	2
80	Potential and limits of Raman spectroscopy for carotenoid detection in microorganisms: implications for astrobiology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140199.	3.4	61
81	Biomarkers and their Raman spectroscopic signatures: a spectral challenge for analytical astrobiology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140193.	3.4	52
82	Raman spectroscopic identification of scytonemin and its derivatives as key biomarkers in stressed environments. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140197.	3.4	8
83	Reduced and oxidised scytonemin: Theoretical protocol for Raman spectroscopic identification of potential key biomolecules for astrobiology. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 72-77.	3.9	23
84	An analytical Raman spectroscopic study of an important english oil painting of the 18th Century. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 598-602.	3.9	12
85	Raman spectroscopy as a nonâ€destructive screening technique for studying white substances from archaeological and forensic burial contexts. Journal of Raman Spectroscopy, 2014, 45, 1301-1308.	2.5	15
86	Theoretical Study of Novel Complexed Structures for Methoxy Derivatives of Scytonemin: Potential Biomarkers in Iron-Rich Stressed Environments. Astrobiology, 2013, 13, 861-869.	3.0	13
87	Raman Spectroscopic Analysis of Geological and Biogeological Specimens of Relevance to the ExoMars Mission. Astrobiology, 2013, 13, 543-549.	3.0	57
88	Colour diversification in octocorals based on conjugated polyenes: A Raman spectroscopic view. Journal of Raman Spectroscopy, 2013, 44, 560-566.	2.5	24
89	Phototrophic Community in Gypsum Crust from the Atacama Desert Studied by Raman Spectroscopy and Microscopic Imaging. Geomicrobiology Journal, 2013, 30, 399-410.	2.0	65
90	Bacterioruberin and salinixanthin carotenoids of extremely halophilic Archaea and Bacteria: A Raman spectroscopic study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 106, 99-103.	3.9	87

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91	Microorganism Response to Stressed Terrestrial Environments: A Raman Spectroscopic Perspective of Extremophilic Life Strategies. Life, 2013, 3, 276-294.	2.4	19
92	Raman spectrometric discrimination of flexirubin pigments from two genera ofBacteroidetes. FEMS Microbiology Letters, 2013, 348, 97-102.	1.8	22
93	Raman Spectroscopic Investigation of Carotenoids in Oils from Amazonian Products. Spectroscopy Letters, 2013, 46, 122-127.	1.0	16
94	Practical Considerations for the Field Application of Miniaturized Portable Raman Instrumentation for the Identification of Minerals. Applied Spectroscopy, 2013, 67, 767-778.	2.2	31
95	Raman Spectral Signatures in the Biogeological Record: An Astrobiological Challenge. Cellular Origin and Life in Extreme Habitats, 2013, , 311-330.	0.3	5
96	Chapter 12. Pigments and dyes. , 2012, , 345-360.		0
97	Chapter 2. Vibrational Spectroscopy: Theoretical Basis Relevant to Archaeometry and Archaeological Applications. , 2012, , 49-58.		0
98	A study of 18th century Coptic icons of Ibrahim Al-Nasekh using Raman microscopy and gas chromatographyâ€“mass spectrometry: Indigo as an organic pigment in Egyptian panel paintings. Vibrational Spectroscopy, 2012, 62, 98-109.	2.2	19
99	Chapter 20. The Application of Analytical Archaeometry in Underwater Cultural Heritageâ€”A Case Study from Patagonia, Argentina. , 2012, , 532-549.		2
100	The Miniaturized Raman System and Detection of Traces of Life in Halite from the Atacama Desert: Some Considerations for the Search for Life Signatures on Mars. Astrobiology, 2012, 12, 1095-1099.	3.0	74
101	The ExoMars Raman spectrometer and the identification of biogeological spectroscopic signatures using a flight-like prototype. Analytical and Bioanalytical Chemistry, 2012, 404, 1723-1731.	3.7	73
102	In Situ Crime Scene Analysis. , 2012, , 171-184.		1
103	Non-Invasive Detection of Concealed Liquid and Powder Explosives Using Spatially Offset Raman spectroscopy. , 2012, , 289-294.		0
104	Raman Spectroscopy for the Analysis of Counterfeit Tablets. , 2012, , 561-572.		3
105	Examination of Counterfeit Pharmaceutical Labels. , 2012, , 573-582.		0
106	Raman spectra of osmotic solutes of halophiles. Journal of Raman Spectroscopy, 2012, 43, 1134-1140.	2.5	12
107	The Heslington brain: a challenge for analytical Raman spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 1658-1662.	2.5	10
108	Destruction of Raman biosignatures by ionising radiation and the implications for life detection on Mars. Analytical and Bioanalytical Chemistry, 2012, 403, 131-144.	3.7	56

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109	Evaluation of portable Raman spectrometer with 1064 nm excitation for geological and forensic applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 320-327.	3.9	94
110	Discrimination of zeolites and beryllium containing silicates using portable Raman spectroscometric equipment with near-infrared excitation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 341-346.	3.9	15
111	On the definition of Raman spectroscopic detection limits for the analysis of biomarkers in solid matrices. Planetary and Space Science, 2012, 62, 48-54.	1.7	54
112	Raman and FTIR microspectroscopic study of the alteration of Chinese tung oil and related drying oils during ageing. Analytical and Bioanalytical Chemistry, 2011, 400, 1173-1180.	3.7	86
113	Raman spectroscopic analysis of arctic nodules: relevance to the astrobiological exploration of Mars. Analytical and Bioanalytical Chemistry, 2011, 401, 2927-2933.	3.7	10
114	Raman spectra of biomarkers of relevance to analytical astrobiological exploration: Hopanoids, sterols and steranes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 191-195.	3.9	14
115	Raman spectroscopy of archaeological and ancient resins: Problems with database construction for applications in conservation and historical provenancing. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 80, 49-54.	3.9	11
116	On the interpretation of the Raman spectra of Maya Blue: a review on the literature data. Journal of Raman Spectroscopy, 2011, 42, 86-96.	2.5	42
117	Identification of reddish pigments in octocorals by Raman spectroscopy. Journal of Raman Spectroscopy, 2011, 42, 653-658.	2.5	29
118	The detection of biomarkers in evaporite matrices using a portable Raman instrument under Alpine conditions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 80, 8-13.	3.9	24
119	Analytical Raman spectroscopic discrimination between yellow pigments of the Renaissance. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 80, 14-20.	3.9	39
120	Evaluation of portable Raman instrumentation for identification of Î²-carotene and mellitic acid in two-component mixtures with halite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 80, 32-35.	3.9	14
121	Critical evaluation of a handheld Raman spectrometer with near infrared (785 nm) excitation for field identification of minerals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 80, 36-40.	3.9	63
122	Carotenes and carotenoids in natural biological samples: a Raman spectroscopic analysis. Journal of Raman Spectroscopy, 2010, 41, 642-650.	2.5	204
123	A Raman spectroscopic study of a fulgurite. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 3087-3097.	3.4	45
124	Ab initio calculations of scytonemin derivatives of relevance to extremophile characterization by Raman spectroscopy. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 3193-3203.	3.4	43
125	Raman spectroscopic approach to analytical astrobiology: the detection of key geological and biomolecular markers in the search for life. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 3059-3065.	3.4	43
126	Vibrational spectroscopic analysis of an amber necklaceâ€"a forensic historical study. Analytical and Bioanalytical Chemistry, 2010, 397, 2677-2683.	3.7	6

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127	FT-Raman spectroscopic analysis of pigments from an Augustinian friary. Analytical and Bioanalytical Chemistry, 2010, 397, 2685-2691.	3.7	8
128	Raman spectra of pure biomolecules obtained using a handheld instrument under cold high-altitude conditions. Analytical and Bioanalytical Chemistry, 2010, 397, 2753-2760.	3.7	43
129	Acquisition of Raman spectra of amino acids using portable instruments: Outdoor measurements and comparison. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 978-983.	3.9	53
130	Lichen colonization of an active volcanic environment: a Raman spectroscopic study of extremophile biomolecular protective strategies. Journal of Raman Spectroscopy, 2010, 41, 63-67.	2.5	34
131	In situ detection of cocaine hydrochloride in clothing impregnated with the drug using benchtop and portable Raman spectroscopy. Journal of Raman Spectroscopy, 2010, 41, 938-943.	2.5	34
132	Gristhorpe Man: a Raman spectroscopic study of â€˜mistletoe berriesâ€™ in a Bronze Age log coffin burial. Journal of Raman Spectroscopy, 2010, 41, 1533-1536.	2.5	8
133	Raman spectroscopy of nâ€pentyl methyl ether and deuterium labelled analogues. Journal of Raman Spectroscopy, 2010, 41, 1725-1734.	2.5	7
134	In situ monitoring of pH titration by Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 1403-1410.	3.9	13
135	The effect of laser wavelength on the Raman Spectra of phenanthrene, chrysene, and tetracene: Implications for extra-terrestrial detection of polyaromatic hydrocarbons. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 76, 1-5.	3.9	44
136	Raman spectroscopy of volcanic lavas and inclusions of relevance to astrobiological exploration. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 3127-3135.	3.4	32
137	Raman Spectroscopy of Extremophiles from Hot and Cold Deserts: An Astrobiological Journey from Terrestrial Extreme Environments to Planetary Exploration. , 2010, , .		0
138	Understanding the Application of Raman Spectroscopy to the Detection of Traces of Life. Astrobiology, 2010, 10, 229-243.	3.0	167
139	Iron-Scytonemin Complexes: DFT Calculations on New UV Protectants for Terrestrial Cyanobacteria and Astrobiological Implications. Astrobiology, 2010, 10, 711-716.	3.0	16
140	Raman spectroscopy of the Dukhan sabkha: identification of geological and biogeological molecules in an extreme environment. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 3099-3107.	3.4	50
141	Detection of explosives on human nail using confocal Raman microscopy. Journal of Raman Spectroscopy, 2009, 40, 144-149.	2.5	39
142	Insight into thermally induced solidâ€state polymorphic transformation of sulfathiazole using simultaneous in situ Raman spectroscopy and differential scanning calorimetry. Journal of Raman Spectroscopy, 2009, 40, 887-892.	2.5	19
143	Fast detection of sulphate minerals (gypsum, anglesite, baryte) by a portable Raman spectrometer. Journal of Raman Spectroscopy, 2009, 40, 1082-1086.	2.5	74
144	Application of portable Raman spectroscopy and benchtop spatially offset Raman spectroscopy to interrogate concealed biomaterials. Journal of Raman Spectroscopy, 2009, 40, 1875-1880.	2.5	27

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145	Comparison of near infrared laser excitation wavelengths and its influence on the interrogation of seized drugsâ€ofâ€abuse by Raman spectroscopy. Journal of Raman Spectroscopy, 2009, 40, 1974-1983.	2.5	32
146	Raman spectroscopy and security applications: the detection of explosives and precursors on clothing. Journal of Raman Spectroscopy, 2009, 40, 2009-2014.	2.5	49
147	Identification of Î²-carotene in an evaporitic matrixâ€"evaluation of Raman spectroscopic analysis for astrobiological research on Mars. Analytical and Bioanalytical Chemistry, 2009, 393, 1967-1975.	3.7	64
148	Assessment of Raman spectroscopy as a tool for the non-destructive identification of organic minerals and biomolecules for Mars studies. Planetary and Space Science, 2009, 57, 606-613.	1.7	54
149	Application of portable Raman instruments for fast and non-destructive detection of minerals on outcrops. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 410-419.	3.9	99
150	Romano-British wall paintings: Raman spectroscopic analysis of fragments from two urban sites of early military colonisation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 553-560.	3.9	23
151	Analysis of yellow â€œfatâ€•deposits on Inuit boots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 561-565.	3.9	9
152	Characterization of paint and varnish on a medieval Coptic-Byzantine icon: Novel usage of dammar resin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 566-575.	3.9	23
153	Vibrational spectroscopic study of terbutaline hemisulphate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 715-719.	3.9	12
154	Raman Spectroscopic Characterization of the Alkaloid Dihydrochelerytrine Extracted from Roots ofZanthoxylum stelligerum(Turcz). Spectroscopy Letters, 2009, 42, 194-198.	1.0	3
155	Identification of the dateâ€rape drug GHB and its precursor GBL by Raman spectroscopy. Drug Testing and Analysis, 2009, 1, 25-31.	2.6	24
156	Raman spectroscopic investigation of cocaine hydrochloride on human nail in a forensic context. Analytical and Bioanalytical Chemistry, 2008, 390, 1159-1166.	3.7	41
157	NIR-FT-Raman spectroscopic analytical characterization of the fruits, seeds, and phytotherapeutic oils from rosehips. Analytical and Bioanalytical Chemistry, 2008, 392, 1489-1496.	3.7	49
158	A Raman spectroscopic and combined analytical approach to the restoration of severely damaged frescoes: the Palomino project. Journal of Raman Spectroscopy, 2008, 39, 444-452.	2.5	27
159	The conservational heritage of wall paintings and buildings : an FTâ€Raman spectroscopic study of prehistoric, Roman, mediaeval and Renaissance lime substrates and mortars. Journal of Raman Spectroscopy, 2008, 39, 985-992.	2.5	57
160	Analysis of seized drugs using portable Raman spectroscopy in an airport environmentâ€"a proof of principle study. Journal of Raman Spectroscopy, 2008, 39, 873-880.	2.5	139
161	A comprehensive microâ€Raman spectroscopic study of prehistoric rock paintings from the Sierra de las Cuerdas, Cuenca, Spain. Journal of Raman Spectroscopy, 2008, 39, 972-984.	2.5	81
162	Fourierâ€transform Raman spectroscopy of archaeological resins. Journal of Raman Spectroscopy, 2008, 39, 966-971.	2.5	13

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163	Vibrational spectroscopic characterisation of salmeterol xinafoate polymorphs and a preliminary investigation of their transformation using simultaneous in situ portable Raman spectroscopy and differential scanning calorimetry. Analytica Chimica Acta, 2008, 620, 103-112.	5.4	20
164	A Raman microscopic and gas chromatographicâ€“mass spectrometric study of two 19th century overlapping Coptic icons of Anastasy Al-Romi. Vibrational Spectroscopy, 2008, 48, 69-75.	2.2	16
165	Raman spectroscopy as a tool for the non-destructive identification of organic minerals in the geological record. Organic Geochemistry, 2008, 39, 371-386.	1.8	64
166	Identification of Morphological Biosignatures in Martian Analogue Field Specimens Using In Situ Planetary Instrumentation. Astrobiology, 2008, 8, 119-156.	3.0	62
167	Raman microprobe analysis of stucco samples from the buildings of Maya Classic Copan. Journal of Archaeological Science, 2007, 34, 666-673.	2.4	30
168	A Decade of Raman Spectroscopy in Art and Archaeology. Chemical Reviews, 2007, 107, 675-686.	47.7	321
169	Interplanetary Transfer of Photosynthesis: An Experimental Demonstration of A Selective Dispersal Filter in Planetary Island Biogeography. Astrobiology, 2007, 7, 1-9.	3.0	66
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