

Marilena Ricci

List of Publications by Year in descending order

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49
papers

1,353
citations

361045

20
h-index

344852

36
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49
all docs

49
docs citations

49
times ranked

1333
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive identification of turmeric and saffron dyes in proteinaceous textile fibres using Raman spectroscopy and multivariate analysis. <i>Journal of Raman Spectroscopy</i> , 2022, 53, 593-607.	1.2	4
2	The San Giovanni Baptistery in Florence (Italy): Assessment of the State of Conservation of Surfaces and Characterization of Stone Materials. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4050.	1.3	3
3	Surface-Enhanced Raman Spectroscopy for Bisphenols Detection: Toward a Better Understanding of the Analyte-Nanosystem Interactions. <i>Nanomaterials</i> , 2021, 11, 881.	1.9	14
4	Direct microextraction for red lakes detection in painting layers by Raman spectroscopy. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	3
5	Surface-enhanced Raman scattering of glyphosate on dispersed silver nanoparticles: A reinterpretation based on model molecules. <i>Vibrational Spectroscopy</i> , 2020, 108, 103061.	1.2	14
6	Surface Enhanced Raman Spectroscopy for In-Field Detection of Pesticides: A Test on Dimethoate Residues in Water and on Olive Leaves. <i>Molecules</i> , 2019, 24, 292.	1.7	26
7	Archaeometric and archaeological study of painted plaster from the Church of St. Philip in Hierapolis of Phrygia (Turkey). <i>Journal of Archaeological Science: Reports</i> , 2019, 24, 869-878.	0.2	5
8	A multi-analytical approach for the study of red stains on heritage marble. <i>Analyst, The</i> , 2019, 144, 2375-2386.	1.7	6
9	Chemical enhancement in the SERS spectra of indigo: DFT calculation of the Raman spectra of indigo-Ag ₁₄ complexes. <i>Vibrational Spectroscopy</i> , 2019, 100, 159-166.	1.2	9
10	Chemical and mineralogical characterization and ¹⁴ C dating of white and red pigments in the rock paintings from Nyero (Uganda). <i>Microchemical Journal</i> , 2019, 144, 329-338.	2.3	12
11	Silver nanowires as infrared-active materials for surface-enhanced Raman scattering. <i>Nanoscale</i> , 2018, 10, 9329-9337.	2.8	19
12	On the SERS quantitative determination of organic dyes. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 997-1005.	1.2	18
13	The Raman and SERS spectra of indigo and indigo-Ag ₂ complex: DFT calculation and comparison with experiment. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 141-148.	2.0	24
14	The ageing of model pigment/linseed oil systems studied by means of vibrational spectroscopies and chemometrics. <i>Vibrational Spectroscopy</i> , 2018, 99, 86-92.	1.2	4
15	Vibrational Spectroscopies and Chemometry for Nondestructive Identification and Differentiation of Painting Binders. <i>Journal of Chemistry</i> , 2017, 2017, 1-10.	0.9	7
16	Microanalysis of Organic Pigments in Ancient Textiles by Surface-Enhanced Raman Scattering on Agar Gel Matrices. <i>Journal of Spectroscopy</i> , 2016, 2016, 1-10.	0.6	20
17	Identification of dyes in toned and tinted XX century cinematographic films by surface enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 337-344.	1.2	7
18	Resonance Raman Spectra of o-Safranin Dye, Free and Adsorbed on Silver Nanoparticles: Experiment and Density Functional Theory Calculation. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5307-5314.	1.1	17

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19	Identification of organic dyes by surface-enhanced Raman scattering in nano-composite agar-gel matrices: evaluation of the enhancement factor. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	1.5	4
20	SERS Spectra of Alizarin Anion- Ag^n ($n = 2, 4, 14$) Systems: TDDFT Calculation and Comparison with Experiment. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12234-12241.	1.5	14
21	Chemical and mineralogical studies of the red chromatic alteration of Florentine Pietra Serena sandstone. <i>European Journal of Mineralogy</i> , 2016, 28, 449-458.	0.4	9
22	Multivariate analysis of combined reflectance FT-NIR and micro-Raman spectra on oil-paint models. <i>Microchemical Journal</i> , 2016, 124, 703-711.	2.3	14
23	Multivariate Analysis of Combined Fourier Transform Near-Infrared Spectrometry (FT-NIR) and Raman Datasets for Improved Discrimination of Drying Oils. <i>Applied Spectroscopy</i> , 2015, 69, 865-876.	1.2	25
24	The SERS spectra of alizarin and its ionized species: The contribution of the molecular resonance to the spectral enhancement. <i>Journal of Molecular Structure</i> , 2015, 1090, 98-106.	1.8	15
25	Tailored micro-extraction method for Raman/SERS detection of indigoids in ancient textiles. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6505-6514.	1.9	39
26	Safranin-O dye in the ground state. A study by density functional theory, Raman, SERS and infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 677-684.	2.0	20
27	Suitability of Ag^n -agar gel for the micro-extraction of organic dyes on different substrates: the case study of wool, silk, printed cotton and a panel painting mock-up. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1133-1139.	1.2	34
28	Relationships between the petrographical, physical and mechanical properties of some Italian sandstones. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2013, 60, 321-332.	2.6	27
29	Alternative SERRS probes for the immunochemical localization of ovalbumin in paintings: an advanced mapping detection approach. <i>Analyst</i> , The, 2013, 138, 4532.	1.7	23
30	SERS detection of red organic dyes in Ag^n -agar gel. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 47-54.	1.2	81
31	Restoration of a Sandstone Facade: From the Project to the Monitoring. <i>International Journal of Architectural Heritage</i> , 2012, 6, 290-301.	1.7	4
32	The first spectroscopic analysis of Ethiopian prehistoric rock painting. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 809-816.	1.2	61
33	A novel piece of Minoan art in Italy: the first spectroscopic study of the wall paintings from Phaistos. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1663-1670.	1.2	16
34	Ceramic findings from the archaeological site at Aiano-Torraccia di Chiusi (Siena, Italy): a multi-analytical approach. <i>Archaeological and Anthropological Sciences</i> , 2012, 4, 29-46.	0.7	11
35	Amplified Extended Modes in Random Lasers. <i>Physical Review Letters</i> , 2004, 93, 053903.	2.9	258
36	Temperature dependence of the reorientational dynamics and low-frequency response of aqueous urea solutions investigated by femtosecond optical Kerr-effect spectroscopy and molecular-dynamics simulation. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4666.	1.3	29

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37	The fast dynamics of benzene in the liquid phase. Part II. A molecular dynamics simulation. Physical Chemistry Chemical Physics, 2001, 3, 2803-2810.	1.3	53
38	The fast dynamics of benzene in the liquid phase. Part I. Optical Kerr effect experimental investigation. Physical Chemistry Chemical Physics, 2001, 3, 2795-2802.	1.3	60
39	Time resolved optical Kerr effect analysis of urea-water system. Journal of Chemical Physics, 2001, 114, 6774-6780.	1.2	37
40	Time-resolved optical Kerr effect on a fragile glass-forming liquid: Test of different mode coupling theory aspects. Europhysics Letters, 2000, 52, 324-329.	0.7	42
41	Diffusive and oscillatory dynamics of liquid iodobenzene measured by femtosecond optical Kerr effect. Journal of Chemical Physics, 1999, 110, 8653-8662.	1.2	53
42	Spectral characterization of fluorescent 5-iodoacetamidotetramethylrhodamine and its N-acetylcysteine derivative. Physical Chemistry Chemical Physics, 1999, 1, 4571-4582.	1.3	10
43	Solvation dynamics of Coumarin 503 in the liquid-crystal mixture ZLI 1167. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 121-128.	1.7	16
44	Time resolved fluorescence of N,N-dimethylaminobenzonitrile in glycerol triacetate: experimental results and model interpretation. Chemical Physics, 1997, 223, 51-58.	0.9	9
45	Internal conversion and energy transfer dynamics of spheroidene in solution and in the LH-1 and LH-2 light-harvesting complexes. Chemical Physics Letters, 1996, 259, 381-390.	1.2	123
46	Molecular dynamics of β -carotene in solution by resonance enhanced optical Kerr effect. Journal of Chemical Physics, 1995, 102, 9537-9543.	1.2	10
47	Orientalional Dynamics in the Isotropic Phase of a Nematic Mixture: Subpicosecond Time Resolved Optical Kerr Effect Experiments on ZLI-1167 Liquid Crystal. Molecular Crystals and Liquid Crystals, 1995, 262, 391-402.	0.3	20
48	A molecular dynamics simulation of the plastic phase (I) of cyclopentane. Chemical Physics, 1994, 189, 17-23.	0.9	7
49	Orientalional dynamics on glassformer 2 $[\text{Ca}(\text{NO}_3)_2]_{0.3}[\text{KNO}_3]_{0.7}$: A study by transient optical Kerr effect. Journal of Chemical Physics, 1993, 98, 4892-4896.	1.2	17