Marilena Ricci

List of Publications by Year
in descending order

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49 papers	1,353 citations	361413 20 h-index	345221 36 g-index
49 all docs	49 docs citations	49 times ranked	1333 citing authors

#	Article	IF	Citations
1	Amplified Extended Modes in Random Lasers. Physical Review Letters, 2004, 93, 053903.	7.8	258
2	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.	2.6	123
3	SERS detection of red organic dyes in Agâ€ɐgar gel. Journal of Raman Spectroscopy, 2013, 44, 47-54.	2.5	81
4	The first spectroscopic analysis of Ethiopian prehistoric rock painting. Journal of Raman Spectroscopy, 2012, 43, 809-816.	2.5	61
5	The fast dynamics of benzene in the liquid phase. Part I. Optical Kerr effect experimental investigation. Physical Chemistry Chemical Physics, 2001, 3, 2795-2802.	2.8	60
6	Diffusive and oscillatory dynamics of liquid iodobenzene measured by femtosecond optical Kerr effect. Journal of Chemical Physics, 1999, 110, 8653-8662.	3.0	53
7	The fast dynamics of benzene in the liquid phase. Part II. A molecular dynamics simulation. Physical Chemistry Chemical Physics, 2001, 3, 2803-2810.	2.8	53
8	Time-resolved optical Kerr effect on a fragile glass-forming liquid: Test of different mode coupling theory aspects. Europhysics Letters, 2000, 52, 324-329.	2.0	42
9	Tailored micro-extraction method for Raman/SERS detection of indigoids in ancient textiles. Analytical and Bioanalytical Chemistry, 2015, 407, 6505-6514.	3.7	39
10	Time resolved optical Kerr effect analysis of ureaâ€“water system. Journal of Chemical Physics, 2001, 114, 6774-6780.	3.0	37
11	Suitability of Agâ€ɐgar gel for the microâ€extraction of organic dyes on different substrates: the case study of wool, silk, printed cotton and a panel painting mockâ€up. Journal of Raman Spectroscopy, 2014, 45, 1133-1139.	2.5	34
12	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. Physical Chemistry Chemical Physics, 2003, 5, 4666.	2.8	29
13	Relationships between the petrographical, physical and mechanical properties of some Italian sandstones. International Journal of Rock Mechanics and Minings Sciences, 2013, 60, 321-332.	5.8	27
14	Surface Enhanced Raman Spectroscopy for In-Field Detection of Pesticides: A Test on Dimethoate Residues in Water and on Olive Leaves. Molecules, 2019, 24, 292.	3.8	26
15	Multivariate Analysis of Combined Fourier Transform Near-Infrared Spectrometry (FT-NIR) and Raman Datasets for Improved Discrimination of Drying Oils. Applied Spectroscopy, 2015, 69, 865-876.	2.2	25
16	The Raman and SERS spectra of indigo and indigo-Ag2 complex: DFT calculation and comparison with experiment. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 141-148.	3.9	24
17	Alternative SERRS probes for the immunochemical localization of ovalbumin in paintings: an advanced mapping detection approach. Analyst, The, 2013, 138, 4532.	3.5	23
18	Orientational 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

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19	Safranin-O dye in the ground state. A study by density functional theory, Raman, SERS and infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 677-684.	3.9	20
20	Microanalysis of Organic Pigments in Ancient Textiles by Surface-Enhanced Raman Scattering on Agar Gel Matrices. Journal of Spectroscopy, 2016, 2016, 1-10.	1.3	20
21	Silver nanowires as infrared-active materials for surface-enhanced Raman scattering. Nanoscale, 2018, 10, 9329-9337.	5.6	19
22	On the SERS quantitative determination of organic dyes. Journal of Raman Spectroscopy, 2018, 49, 997-1005.	2.5	18
23	Orientational dynamics on glassformer 2 [Ca(NO3)2]â‹...3[KNO3]: A study by transient optical Kerr effect. Journal of Chemical Physics, 1993, 98, 4892-4896.	3.0	17
24	Resonance Raman Spectra of o-Safranin Dye, Free and Adsorbed on Silver Nanoparticles: Experiment and Density Functional Theory Calculation. Journal of Physical Chemistry A, 2016, 120, 5307-5314.	2.5	17
25	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
26	A novel piece of Minoan art in Italy: the first spectroscopic study of the wall paintings from Phaistos. Journal of Raman Spectroscopy, 2012, 43, 1663-1670.	2.5	16
27	The SERS spectra of alizarin and its ionized species: The contribution of the molecular resonance to the spectral enhancement. Journal of Molecular Structure, 2015, 1090, 98-106.	3.6	15
28	SERS Spectra of Alizarin Anionâ€“Ag_n (n = 2, 4, 14) Systems: TDDFT Calculation and Comparison with Experiment. Journal of Physical Chemistry C, 2016, 120, 12234-12241.	3.1	14
29	Multivariate analysis of combined reflectance FT-NIR and micro-Raman spectra on oil-paint models. Microchemical Journal, 2016, 124, 703-711.	4.5	14
30	Surface-enhanced Raman scattering of glyphosate on dispersed silver nanoparticles: A reinterpretation based on model molecules. Vibrational Spectroscopy, 2020, 108, 103061.	2.2	14
31	Surface-Enhanced Raman Spectroscopy for Bisphenols Detection: Toward a Better Understanding of the Analyteâ€“Nanosystem Interactions. Nanomaterials, 2021, 11, 881.	4.1	14
32	Chemical and mineralogical characterization and 14C dating of white and red pigments in the rock paintings from Nyero (Uganda). Microchemical Journal, 2019, 144, 329-338.	4.5	12
33	Ceramic findings from the archaeological site at Aiano-Torraccia di Chiusi (Siena, Italy): a multi-analytical approach. Archaeological and Anthropological Sciences, 2012, 4, 29-46.	1.8	11
34	Molecular dynamics of Î²â€carotene in solution by resonance enhanced optical Kerr effect. Journal of Chemical Physics, 1995, 102, 9537-9543.	3.0	10
35	Spectral characterization of fluorescent 5-iodoacetamidotetramethylrhodamine and its N-acetylcysteine derivative. Physical Chemistry Chemical Physics, 1999, 1, 4571-4582.	2.8	10
36	Time resolved fluorescence of N,N-dimethylaminobenzonitrile in glycerol triacetate: experimental results and model interpretation. Chemical Physics, 1997, 223, 51-58.	1.9	9

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37	Chemical and mineralogical studies of the red chromatic alteration of Florentine Pietra Serena sandstone. European Journal of Mineralogy, 2016, 28, 449-458.	1.3	9
38	Chemical enhancement in the SERS spectra of indigo: DFT calculation of the Raman spectra of indigo-Ag14 complexes. Vibrational Spectroscopy, 2019, 100, 159-166.	2.2	9
39	A molecular dynamics simulation of the plastic phase (I) of cyclopentane. Chemical Physics, 1994, 189, 17-23.	1.9	7
40	Identification of dyes in toned and tinted XX century cinematographic films by surface enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 2016, 47, 337-344.	2.5	7
41	Vibrational Spectroscopies and Chemometry for Nondestructive Identification and Differentiation of Painting Binders. Journal of Chemistry, 2017, 2017, 1-10.	1.9	7
42	A multi-analytical approach for the study of red stains on heritage marble. Analyst, The, 2019, 144, 2375-2386.	3.5	6
43	Archaeometric and archaeological study of painted plaster from the Church of St. Philip in Hierapolis of Phrygia (Turkey). Journal of Archaeological Science: Reports, 2019, 24, 869-878.	0.5	5
44	Restoration of a Sandstone Facade: From the Project to the Monitoring. International Journal of Architectural Heritage, 2012, 6, 290-301.	3.1	4
45	Identification of organic dyes by surface-enhanced Raman scattering in nano-composite agar-gel matrices: evaluation of the enhancement factor. Optical and Quantum Electronics, 2016, 48, 1.	3.3	4
46	The ageing of model pigment/linseed oil systems studied by means of vibrational spectroscopies and chemometrics. Vibrational Spectroscopy, 2018, 99, 86-92.	2.2	4
47	Noninvasive identification of turmeric and saffron dyes in proteinaceous textile fibres using Raman spectroscopy and multivariate analysis. Journal of Raman Spectroscopy, 2022, 53, 593-607.	2.5	4
48	Direct microextraction for red lakes detection in painting layers by Raman spectroscopy. European Physical Journal Plus, 2021, 136, 1.	2.6	3
49	The San Giovanni Baptistery in Florence (Italy): Assessment of the State of Conservation of Surfaces and Characterization of Stone Materials. Applied Sciences (Switzerland), 2022, 12, 4050.	2.5	3