

# JosÃ© MarÃ­a Gavira-Vallejo

## List of Publications by Year in descending order

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29  
papers

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687335

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Impact of Small Adsorbates in the Vibrational Spectra of Mg- and Zn-MOF-74 Revealed by First-Principles Calculations. ACS Applied Materials & Interfaces, 2020, 12, 54980-54990.	8.0	14
2	A comprehensive study of the molecular vibrations in solid-state benzylic amide [2]catenane. Physical Chemistry Chemical Physics, 2019, 21, 19538-19547.	2.8	4
3	Micro-Raman spectroscopy of rock paintings from the Galb Budarga and Tuama Budarga rock shelters, Western Sahara. Microchemical Journal, 2018, 137, 250-257.	4.5	9
4	Cavity Ring-Down Absorption Spectroscopy: Optical Characterization of ICl Product in Photodissociation of CH <sub>2</sub> ICl at 248 nm. Journal of Physical Chemistry A, 2018, 122, 8344-8353.	2.5	2
5	Assignment of the Raman Spectrum of Benzylic Amide [2]Catenane: Raman Microscopy Experiments and First-Principles Calculations. Journal of Physical Chemistry C, 2018, 122, 18102-18109.	3.1	4
6	CHAPTER 6. Micro Raman Spectroscopy of Epipalaeolithic Decorated Pebbles from Arroyo Moreras 2 (Parque Darwin, Madrid). , 2018, , 68-80.		0
7	<sup>13</sup> C-Raman spectroscopy of prehistoric paintings from the El Reno cave (Valdesotos, Guadalajara, Spain). Journal of Archaeological Science: Reports, 2017, 14, 454-460.	0.5	8
8	Raman microscopy of hand stencils rock art from the Yabrai Mountain, Inner Mongolia Autonomous Region, China. , 2017, , 285-292.		0
9	Raman microscopy of prehistoric paintings in French megalithic monuments. Journal of Raman Spectroscopy, 2016, 47, 571-578.	2.5	23
10	Raman microscopy of hand stencils rock art from the Yabrai Mountain, Inner Mongolia Autonomous Region, China. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	7
11	Single-walled carbon nanotubes as anisotropic relaxation probes for magnetic resonance imaging. MedChemComm, 2013, 4, 669.	3.4	14
12	Calcium oxalate AMS <sup>14</sup> C dating and chronology of post-Palaeolithic rock paintings in the Iberian Peninsula. Two dates from Abrigo de los Oculados (Henarejos, Cuenca, Spain). Journal of Archaeological Science, 2012, 39, 2655-2667.	2.4	69
13	Chapter 17. Spectroscopy of Historic Textiles: a Unique 17th Century Bodice. , 2012, , 468-480.		2
14	Spectroscopy of Palaeolithic rock paintings from the Tito Bustillo and El Buxu Caves, Asturias, Spain. Journal of Raman Spectroscopy, 2012, 43, 1644-1650.	2.5	57
15	Paintings in Atlantic Megalithic Art: Barnenez. Trabajos De Prehistoria, 2012, 69, 123-132.	0.7	10
16	Raman microscopy of prehistoric rock paintings from the Hoz de Vicente, Minglanilla, Cuenca, Spain. Journal of Raman Spectroscopy, 2010, 41, 1394-1399.	2.5	48
17	Micro-Raman spectroscopic investigation of external wall paintings from St. Dumitru's Church, Suceava, Romania. Analytical and Bioanalytical Chemistry, 2008, 392, 263-268.	3.7	23
18	A comprehensive micro-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

#	ARTICLE	IF	CITATIONS
19	Introduction to Raman microscopy of prehistoric rock paintings from the Sierra de las Cuerdas, Cuenca, Spain. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 1054-1062.	2.5	48
20	<sup>1</sup> H-NMR study of the inclusion processes for $\beta$ - and $\gamma$ -cyclodextrin with fenbufen. <i>Biopolymers</i> , 2005, 77, 361-367.	2.4	16
21	Infrared spectroscopic study of triacetyl $\beta$ -cyclodextrin and its inclusion complex with nicardipine. <i>Spectroscopy</i> , 2004, 18, 459-467.	0.8	31
22	Inclusion complex of fenbufen with $\beta$ -cyclodextrin. <i>Biopolymers</i> , 2004, 73, 451-456.	2.4	17
23	Dehydration of $\beta$ -cyclodextrin. <i>Vibrational Spectroscopy</i> , 2003, 32, 137-146.	2.2	31
24	Splitting of infrared bands of mononucleotides in aqueous solution. <i>Journal of Molecular Structure</i> , 2001, 565-566, 259-263.	3.6	15
25	Band splitting in the IR spectra of Ca(II) and Mg(II) $\beta$ -GMP complexes and Cd(II) and Mg(II) $\gamma$ -CMP complexes related to ordered arrangement of these nucleotides. <i>Journal of Molecular Structure</i> , 2001, 565-566, 265-270.	3.6	5
26	Stacking and hydrogen bonding in guanine and cytidine nucleotides in aqueous solution. , 1999, , 245-246.		0
27	Vibrational analysis and spectra of cytidine 3 $\beta$ -monophosphate (3 $\beta$ -CMP). <i>Vibrational Spectroscopy</i> , 1997, 15, 1-16.	2.2	21
28	Normal coordinate analysis of acycloguanosine. <i>Journal of Molecular Structure</i> , 1997, 410-411, 425-429.	3.6	2
29	Concentration Effects on IR Bands of Some Mononucleotides in Aqueous Solution. , 1997, , 221-222.		1