

Ana R Garcia

List of Publications by Year in descending order

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36
papers

704
citations

567281

15
h-index

552781

26
g-index

36
all docs

36
docs citations

36
times ranked

784
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemistry on surfaces: fluorescence emission quantum yield evaluation of dyes adsorbed on microcrystalline cellulose. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992, 88, 15-22.	1.7	66
2	The Decomposition Pathways of Methanol on Clean Ru(0001), Studied by Reflection-Absorption Infrared Spectroscopy (RAIRS). <i>Journal of Physical Chemistry B</i> , 2001, 105, 11186-11193.	2.6	64
3	The Infrared Spectrum of Solid L-Alanine: Influence of pH-Induced Structural Changes. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8280-8287.	2.5	52
4	Photochemistry on surfaces: solvent matrix effect on the swelling of cellulose. An emission and absorption study of adsorbed auramine O. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 1937-1944.	1.7	46
5	Effect of Oxygen Precoverage on the Reactivity of Methanol on Ru(001) Surfaces. <i>Journal of Physical Chemistry B</i> , 2004, 108, 4831-4839.	2.6	43
6	Phase behaviour of oleanolic acid, pure and mixed with stearic acid: Interactions and crystallinity. <i>Chemistry and Physics of Lipids</i> , 2010, 163, 655-666.	3.2	38
7	Volumetric Properties and Spectroscopic Studies of Pyridine or Nicotine Solutions in Liquid Polyethylene Glycols. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8481-8492.	2.6	32
8	Ultraviolet-Visible and Fourier Transform Infrared Diffuse Reflectance Studies of Benzophenone and Fluorenone Adsorbed onto Microcrystalline Cellulose. <i>Langmuir</i> , 1997, 13, 3787-3793.	3.5	31
9	Interactions of L-Alanine with Alumina as Studied by Vibrational Spectroscopy. <i>Langmuir</i> , 2007, 23, 10164-10175.	3.5	30
10	Alkane Coiling in Perfluoroalkane Solutions: A New Primitive Solvophobic Effect. <i>Langmuir</i> , 2017, 33, 11429-11435.	3.5	28
11	Effects of hygrothermal, UV and SO ₂ accelerated ageing on the durability of ETICS in urban environments. <i>Building and Environment</i> , 2021, 204, 108151.	6.9	28
12	Liquid Mixtures Involving Hydrogenated and Fluorinated Alcohols: Thermodynamics, Spectroscopy, and Simulation. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10091-10105.	2.6	27
13	A comparative reflection-absorption infrared spectroscopy study of the thermal decomposition of 1-hexene on Ru(0001) and on Pt(111). <i>Surface Science</i> , 2000, 459, 115-123.	1.9	25
14	Microdomains in mixed monolayers of oleanolic and stearic acids: thermodynamic study and BAM observation at the air-water interface and AFM and FTIR analysis of LB monolayers. <i>Chemistry and Physics of Lipids</i> , 2007, 149, 1-13.	3.2	25
15	The chemistry of formic acid on oxygen modified Ru(001) surfaces. <i>Surface Science</i> , 2005, 591, 142-152.	1.9	22
16	A RAIRS study of the methanol decomposition on oxygen precovered Ru(0001). <i>Surface Science</i> , 2002, 502-503, 156-163.	1.9	14
17	Reactivity of methanol on clean Ru() studied by RAIRS: effect of deuterium substitution. <i>Surface Science</i> , 2003, 532-535, 185-190.	1.9	14
18	The Problem of 2,4,6-Trichloroanisole in Cork Planks Studied by Attenuated Total Reflection Infrared Spectroscopy: Proof of Concept. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 128-135.	5.2	14

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19	Chemistry of 3-Hexyne on Ru(0001): A Reflection- Absorption Infrared Spectroscopy Study. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6746-6751.	2.6	13
20	Fermi resonance coupling in the C-H stretching region of methoxide adsorbed on clean Ru(001): a combined RAIRS and theoretical study. <i>Surface Science</i> , 2004, 566-568, 965-970.	1.9	13
21	Experimental evidence for methoxide geometry on clean Ru(001). <i>Surface Science</i> , 2004, 572, 277-282.	1.9	9
22	Adsorption of [D ₂]Methanol on Ru(001)-O Surfaces: The Influence of Preadsorbed Oxygen on the Methoxide Geometry. <i>ChemPhysChem</i> , 2005, 6, 1299-1306.	2.1	9
23	Evidence of metallocycle formation by decomposition of 1-hexyne on Ru(): a RAIRS study. <i>Surface Science</i> , 2002, 502-503, 169-175.	1.9	8
24	Phase behaviour of oleonic acid/stearyl stearate binary mixtures in bulk and at the air-water interface. <i>Chemistry and Physics of Lipids</i> , 2009, 160, 45-57.	3.2	7
25	Encapsulation of Ruthenium Nitrosyl Nitrate and DNA Purines in Nanostructured Sol-Gel Silica Matrices. <i>Langmuir</i> , 2009, 25, 10243-10250.	3.5	7
26	The chemical behaviour of 3-hexene on the Ru(0001) surface: a characterisation by RAIRS. <i>Surface Science</i> , 2001, 482-485, 107-113.	1.9	6
27	Decomposition of 2-hexyne on clean Ru() studied by RAIRS. <i>Surface Science</i> , 2003, 532-535, 179-184.	1.9	6
28	Activation of double and triple bonds in C ₆ unsaturated hydrocarbons by the Ru(001) surface: an overview. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 703-712.	1.9	6
29	The reactivity of Z-2-hexene on Ru(001) studied by RAIRS. <i>Surface Science</i> , 2002, 516, 85-94.	1.9	5
30	Interactions between DNA Purines and Ruthenium Ammine Complexes within Nanostructured Sol-Gel Silica Matrices. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3987-3998.	2.6	5
31	Reactivity of 3-hexyne on oxygen modified Ru(001) surfaces: Observation of oxametallacycles by RAIRS. <i>Surface Science</i> , 2009, 603, 380-386.	1.9	4
32	Structure and Properties of Cork-Silica Xerogel Nanocomposites: Influence of the Cork Content. <i>Langmuir</i> , 2019, 35, 804-814.	3.5	4
33	Effect of geometrical isomerism on the reactivity of 3-hexene on clean Ru(001). <i>Surface Science</i> , 2004, 566-568, 733-739.	1.9	1
34	The effect of pre-adsorbed atoms on the reactivity of methanol-d ₄ on Ru(001): Comparison between hydrogen and oxygen. <i>Surface Science</i> , 2006, 600, 2425-2433.	1.9	1
35	Spectroscopic Methods for Quantifying Gabapentin: Framing the Methods without Derivatization and Application to Different Pharmaceutical Formulations. <i>Applied Spectroscopy</i> , 2017, 71, 2519-2531.	2.2	1
36	Reactivity of Pyrimidine on Clean Ru(0001): Experimental and Calculated Infrared Spectra. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17521-17530.	3.1	0