

Ricardo Aroca

List of Publications by Year in descending order

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34
papers

2,173
citations

361413

20
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434195

31
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40
docs citations

40
times ranked

2173
citing authors

#	ARTICLE	IF	CITATIONS
1	Distance dependence of SERS enhancement factor from Langmuir-Blodgett monolayers on metal island films: evidence for the electromagnetic mechanism. <i>Langmuir</i> , 1986, 2, 689-694.	3.5	195
2	Single-Molecule Detection Using Surface-Enhanced Resonance Raman Scattering and Langmuir-Blodgett Monolayers. <i>Analytical Chemistry</i> , 2001, 73, 3674-3678.	6.5	193
3	Surface-enhanced Raman scattering from copper and zinc phthalocyanine complexes by silver and indium island films. <i>Analytical Chemistry</i> , 1984, 56, 2033-2035.	6.5	93
4	Surface-enhanced infrared spectroscopy of monolayers. <i>The Journal of Physical Chemistry</i> , 1995, 99, 9325-9330.	2.9	90
5	Molecular organization in perylenetetracarboxylic dianhydride films. <i>The Journal of Physical Chemistry</i> , 1987, 91, 2954-2959.	2.9	89
6	Raman spectra of solid films 3-Mg, Cu and Zn phthalocyanine complexes. <i>Journal of Raman Spectroscopy</i> , 1984, 15, 34-37.	2.5	76
7	Surface-enhanced vibrational spectroscopy. <i>Journal of Molecular Structure</i> , 1997, 408-409, 17-22.	3.6	74
8	Surface-enhanced Raman scattering of Langmuir-Blodgett monolayers of phthalocyanine by indium and silver island films. <i>The Journal of Physical Chemistry</i> , 1985, 89, 4051-4054.	2.9	67
9	Surface enhanced vibrational spectra of thymine. <i>Vibrational Spectroscopy</i> , 1999, 19, 11-21.	2.2	65
10	Raman spectra of solid films. <i>Journal of Physics and Chemistry of Solids</i> , 1982, 43, 707-711.	4.0	55
11	Reversible adsorption on a single Langmuir-Blodgett monolayer. <i>Journal of the American Chemical Society</i> , 1992, 114, 1201-1204.	13.7	54
12	A New Surface for Surface-Enhanced Infrared Spectroscopy: Tin Island Films. <i>Journal of Physical Chemistry B</i> , 1997, 101, 6537-6540.	2.6	46
13	Effective medium theories in surface enhanced infrared spectroscopy: The pentacene example. <i>Journal of Chemical Physics</i> , 2002, 117, 8095-8103.	3.0	46
14	Enhanced Raman scattering from molecular-dye films on silver. <i>Journal of Raman Spectroscopy</i> , 1982, 12, 262-265.	2.5	36
15	Raman spectra of solid films. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1985, 41, 1095-1099.	0.1	36
16	Molecular orbital calculations of perylenetetracarboxylic monoimide and bisimide. Alkyl derivatives and heteroatom analogs. <i>Computational and Theoretical Chemistry</i> , 1997, 394, 215-226.	1.5	32
17	Infrared and Raman spectra of thin solid films of 1,2-bis(propylimido perylene) ethane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1999, 55, 969-978.	3.9	29
18	Tuning metal island films for maximum surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 1985, 16, 156-162.	2.5	27

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19	SERS of Langmuir-Blodgett monolayers: coverage dependence. <i>Langmuir</i> , 1990, 6, 250-254.	3.5	25
20	Molecular Orientation and Stacking of Perylenetetracarboxylic Diimide Derivatives in Langmuir-Blodgett Monolayers: Part I. <i>Applied Spectroscopy</i> , 1995, 49, 466-471.	2.2	21
21	Surface-Enhanced Resonance Raman Scattering: Single-Molecule Detection in a Langmuir-Blodgett Monolayer. <i>Applied Spectroscopy</i> , 2003, 57, 649-654.	2.2	21
22	Electronic spectra of metal phthalocyanines and configuration interaction ZINDO calculations for tetra-azaporphyrin complexes with the first transition metal series. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996, 52, 1245-1253.	3.9	19
23	Trace analysis of tetrasulphonated copper phthalocyanine by surface enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 1986, 17, 243-247.	2.5	18
24	Raman spectra of solid films—II. Vanadyl phthalocyanine. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1983, 39, 847-852.	0.1	17
25	Title is missing!. <i>Structural Chemistry</i> , 2000, 11, 121-140.	2.0	16
26	Spectroscopy of Europium Bisphthalocyanine Monolayers. <i>Journal of Raman Spectroscopy</i> , 1996, 27, 41-47.	2.5	12
27	Nanostructured Assemblies of Gold and Silver Nanoparticles for Plasmon Enhanced Spectroscopy Using Living Biotemplates. <i>Colloids and Interfaces</i> , 2017, 1, 4.	2.1	8
28	Spectroscopic and gas adsorption properties of thulium bisphthalocyanine Langmuir-Blodgett films. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995, 51, 2325-2334.	3.9	7
29	Vibrational spectroscopy (SERS and SERRS). <i>Journal of Molecular Structure</i> , 1993, 292, 17-27.	3.6	6
30	Surface enhanced resonance Raman scattering of the perylene chromophore. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1991, 47, 271-277.	0.1	5
31	The Vibrational Spectrum of Tetramethyldioxetane. <i>Spectroscopy Letters</i> , 1983, 16, 945-951.	1.0	4
32	<title>Surface-enhanced fluorescence of aggregates in Langmuir-Blodgett monolayers</title>. , 1990, ,		2
33	Structural Dynamics of Polymer Electrolytes. <i>Materials Research Society Symposia Proceedings</i> , 1990, 210, 163.	0.1	0
34	Hole-burning spectroscopy of a Langmuir-Blodgett monolayer of etioporphyrin and octaethylporphyrin. <i>Journal of Molecular Structure</i> , 1993, 293, 323-326.	3.6	0