

Antonio A Garcia

List of Publications by Year in descending order

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31
papers

1,636
citations

430874

18
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

2204
citing authors

#	ARTICLE	IF	CITATIONS
1	Lotus Effect Amplifies Light-Induced Contact Angle Switching. <i>Journal of Physical Chemistry B</i> , 2004, 108, 12640-12642.	2.6	253
2	Photon-Modulated Wettability Changes on Spiropyran-Coated Surfaces. <i>Langmuir</i> , 2002, 18, 8062-8069.	3.5	250
3	Photo-, Thermally, and pH-Responsive Microgels. <i>Langmuir</i> , 2007, 23, 224-229.	3.5	207
4	Synthesis of Light-Induced Diffracting Assemblies from Microspheres and Nanoparticles in Droplets on a Superhydrophobic Surface. <i>Advanced Materials</i> , 2008, 20, 4263-4268.	21.0	147
5	Video Microscopy of Dynamically Aggregated Paramagnetic Particle Chains in an Applied Rotating Magnetic Field. <i>Langmuir</i> , 2003, 19, 8646-8653.	3.5	98
6	Photon Control of Liquid Motion on Reversibly Photoresponsive Surfaces. <i>Langmuir</i> , 2007, 23, 10864-10872.	3.5	89
7	Solvatochromic Study of the Microenvironment of Surface-Bound Spiroyrans. <i>Langmuir</i> , 2003, 19, 8801-8806.	3.5	82
8	Discrete magnetic microfluidics. <i>Applied Physics Letters</i> , 2006, 89, 034106.	3.3	78
9	Magnetic movement of biological fluid droplets. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 311, 238-243.	2.3	54
10	Discrete microfluidics with electrochemical detection. <i>Analyst</i> , 2007, 132, 412-416.	3.5	51
11	Anisotropic Particle Synthesis Inside Droplet Templates on Superhydrophobic Surfaces. <i>Macromolecular Rapid Communications</i> , 2010, 31, 190-195.	3.9	47
12	Photon-Controlled Phase Partitioning of Spiroyrans. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6103-6107.	2.5	40
13	Silicon nanowire and polyethylene superhydrophobic surfaces for discrete magnetic microfluidics. <i>Applied Surface Science</i> , 2007, 254, 330-334.	6.1	40
14	Preparation of photochromic poly(vinylidene fluoride-co-hexafluoropropylene) fibers by electrospinning. <i>Polymer</i> , 2009, 50, 3974-3980.	3.8	38
15	Motion of viscous drops on superhydrophobic surfaces due to magnetic gradients. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 323, 19-27.	4.7	32
16	Strategies for the recovery of chemicals from fermentation: a review of the use of polymeric adsorbents. <i>Biotechnology Progress</i> , 1991, 7, 33-42.	2.6	29
17	Macromol. Rapid Commun. 2/2010. <i>Macromolecular Rapid Communications</i> , 2010, 31, .	3.9	26
18	Cutting a Drop of Water Pinned by Wire Loops Using a Superhydrophobic Surface and Knife. <i>PLoS ONE</i> , 2012, 7, e45893.	2.5	23

#	ARTICLE	IF	CITATIONS
19	Interactive Nano-Visualization of Materials over the Internet. Journal of Chemical Education, 2000, 77, 1114.	2.3	14
20	Recent Developments in the Use of Group-Specific Ligands for Affinity Bioseparations. Separation and Purification Reviews, 1996, 25, 85-129.	0.8	7
21	Isoelectric Focusing in a Drop. Langmuir, 2011, 27, 494-498.	3.5	6
22	Handheld Device Adapted to Smartphone Cameras for the Measurement of Sodium Ion Concentrations at Saliva-Relevant Levels via Fluorescence. Bioengineering, 2015, 2, 122-138.	3.5	6
23	Retention Behavior of Amino Acids Using Immobilized Ag(I) Chromatography. Biotechnology Progress, 1995, 11, 465-467.	2.6	5
24	THREE PHASE COUNTERCURRENT EXTRACTION. Chemical Engineering Communications, 2000, 182, 239-259.	2.6	4
25	Feasibility Study of an Optical Caustic Plasmonic Light Scattering Sensor for Human Serum Anti-Dengue Protein E Antibody Detection. Diagnostics, 2017, 7, 47.	2.6	3
26	Viscous Fingering of Miscible Liquids in Porous and Swellable Media for Rapid Diagnostic Tests. Bioengineering, 2018, 5, 94.	3.5	2
27	Application of Newton's Zero Order Caustic for Analysis and Measurement: Part-I Absorbance. International Research Journal of Pure and Applied Chemistry, 2014, 4, 46-59.	0.2	1
28	Application of Newton's Zero Order Caustic for Analysis and Measurement: Part III " Light Scattering. International Research Journal of Pure and Applied Chemistry, 2014, 4, 144-158.	0.2	1
29	Method for tracking nanogel particles <i>in vivo</i> and <i>in vitro</i> . Biotechnology Journal, 2008, 3, 954-958.	3.5	0
30	Rapid antigen detection using the liquid sample as a lens and self-mixer for light scattering detection. Nature Precedings, 2010, , .	0.1	0
31	Ereptospiration. Bioengineering, 2017, 4, 33.	3.5	0