

Jesus Santamaria

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

280 papers	10,035 citations	51 h-index	85 g-index
290 ext. papers	10,978 ext. citations	6.8 avg, IF	6.2 L-index

#	Paper	IF	Citations
280	High-Performance Thin-Layer Chromatography-Densitometry-Tandem ESI-MS to Evaluate Phospholipid Content in Exosomes of Cancer Cells.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
279	Transfer of photothermal nanoparticles using stem cell derived small extracellular vesicles for in vivo treatment of primary and multinodular tumours.. <i>Journal of Extracellular Vesicles</i> , 2022 , 11, e12193	16.4	0
278	Glutathione-Triggered catalytic response of Copper-Iron mixed oxide Nanoparticles. Leveraging tumor microenvironment conditions for chemodynamic therapy.. <i>Journal of Colloid and Interface Science</i> , 2022 , 617, 704-717	9.3	0
277	From bench scale to pilot plant: A 150x scaled-up configuration of a microwave-driven structured reactor for methane dehydroaromatization. <i>Catalysis Today</i> , 2021 ,	5.3	5
276	Plasmonic MOF Thin Films with Raman Internal Standard for Fast and Ultrasensitive SERS Detection of Chemical Warfare Agents in Ambient Air. <i>ACS Sensors</i> , 2021 , 6, 2241-2251	9.2	14
275	Covalent Cross-Linking of 2H-MoS Nanosheets. <i>Chemistry - A European Journal</i> , 2021 , 27, 2993-2996	4.8	0
274	Nondestructive production of exosomes loaded with ultrathin palladium nanosheets for targeted bio-orthogonal catalysis. <i>Nature Protocols</i> , 2021 , 16, 131-163	18.8	6
273	LED-driven controlled deposition of Ni onto TiO ₂ for visible-light expanded conversion of carbon dioxide into C ₁ -C ₄ alkanes. <i>Nanoscale Advances</i> , 2021 , 3, 3788-3798	5.1	1
272	Preparation of Cu cluster catalysts by simultaneous cooling-microwave heating: application in radical cascade annulation. <i>Nanoscale Advances</i> , 2021 , 3, 1087-1095	5.1	0
271	Dry powder formulation for pulmonary infections: Ciprofloxacin loaded in chitosan sub-micron particles generated by electrospray. <i>Carbohydrate Polymers</i> , 2021 , 273, 118543	10.3	2
270	Gold-Based Nanoparticles on Amino-Functionalized Mesoporous Silica Supports as Nanozymes for Glucose Oxidation. <i>Catalysts</i> , 2020 , 10, 333	4	15
269	Cu-BTC Functional Microdevices as Smart Tools for Capture and Preconcentration of Nerve Agents. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42622-42633	9.5	5
268	Controlled Covalent Functionalization of 2 H-MoS with Molecular or Polymeric Adlayers. <i>Chemistry - A European Journal</i> , 2020 , 26, 6629-6634	4.8	13
267	Continuous Microwave-Assisted Synthesis of Silver Nanoclusters Confined in Mesoporous SBA-15: Application in Alkyne Cyclizations. <i>Chemistry of Materials</i> , 2020 , 32, 2874-2883	9.6	12
266	Supercritical solvothermal synthesis under reducing conditions to increase stability and durability of Mo/ZSM-5 catalysts in methane dehydroaromatization. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118360	21.8	19
265	Bioorthogonal Catalysis Goes Chiral. <i>Chem</i> , 2020 , 6, 1853-1855	16.2	1
264	Isolation of exosomes from whole blood by a new microfluidic device: proof of concept application in the diagnosis and monitoring of pancreatic cancer. <i>Journal of Nanobiotechnology</i> , 2020 , 18, 150	9.4	19

263	Bioorthogonal Uncaging of Cytotoxic Paclitaxel through Pd Nanosheet-Hydrogel Frameworks. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 9650-9659	8.3	19
262	Gas phase detection of chemical warfare agents CWAs with portable Raman. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121279	12.8	12
261	Laser-driven direct synthesis of carbon nanodots and application as sensitizers for visible-light photocatalysis. <i>Carbon</i> , 2020 , 156, 453-462	10.4	18
260	SERS Detection of Neurotoxic Agents in Gas Phase Using Microfluidic Chips Containing Gold-Mesoporous Silica as Plasmonic-Sorbent 2019 ,		1
259	Cancer-derived exosomes loaded with ultrathin palladium nanosheets for targeted bioorthogonal catalysis. <i>Nature Catalysis</i> , 2019 , 2, 864-872	36.5	119
258	Exosome origin determines cell targeting and the transfer of therapeutic nanoparticles towards target cells. <i>Journal of Nanobiotechnology</i> , 2019 , 17, 16	9.4	97
257	110th Anniversary: Nucleation of Ag Nanoparticles in Helical Microfluidic Reactor. Comparison between Microwave and Conventional Heating. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 12702-12711	3.9	12
256	Escaping undesired gas-phase chemistry: Microwave-driven selectivity enhancement in heterogeneous catalytic reactors. <i>Science Advances</i> , 2019 , 5, eaau9000	14.3	40
255	Numerical analysis of microwave heating cavity: Combining electromagnetic energy, heat transfer and fluid dynamics for a NaY zeolite fixed-bed. <i>Applied Thermal Engineering</i> , 2019 , 155, 226-238	5.8	31
254	SPIONs Enhancer Effect on Cell Transfection: An Unexpected Advantage for an Improved Gene Delivery System. <i>ACS Omega</i> , 2019 , 4, 2728-2740	3.9	8
253	Upconverting Carbon Nanodots from Ethylenediaminetetraacetic Acid (EDTA) as Near-Infrared Activated Phototheranostic Agents. <i>Chemistry - A European Journal</i> , 2019 , 25, 5539-5546	4.8	7
252	Non-oxidative methane conversion in microwave-assisted structured reactors. <i>Chemical Engineering Journal</i> , 2019 , 377, 119764	14.7	44
251	Differences in levan nanoparticles depending on their synthesis route: Microbial vs cell-free systems. <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 62-68	7.9	12
250	Overcoming Stability Problems in Microwave-Assisted Heterogeneous Catalytic Processes Affected by Catalyst Coking. <i>Catalysts</i> , 2019 , 9, 867	4	16
249	Efficient encapsulation of theranostic nanoparticles in cell-derived exosomes: leveraging the exosomal biogenesis pathway to obtain hollow gold nanoparticle-hybrids. <i>Nanoscale</i> , 2019 , 11, 18825-18836	7.7	51
248	Polyoxometalates as alternative Mo precursors for methane dehydroaromatization on Mo/ZSM-5 and Mo/MCM-22 catalysts. <i>Catalysis Science and Technology</i> , 2019 , 9, 5927-5942	5.5	19
247	Fast and simple assessment of surface contamination in operations involving nanomaterials. <i>Journal of Hazardous Materials</i> , 2019 , 363, 358-365	12.8	2
246	Microwave-Assisted Catalytic Combustion for the Efficient Continuous Cleaning of VOC-Containing Air Streams. <i>Environmental Science & Technology</i> , 2018 , 52, 5892-5901	10.3	27

245	Highly sensitive SERS quantification of organophosphorous chemical warfare agents: A major step towards the real time sensing in the gas phase. <i>Sensors and Actuators B: Chemical</i> , 2018 , 267, 457-466	8.5	33
244	A versatile generator of nanoparticle aerosols. A novel tool in environmental and occupational exposure assessment. <i>Science of the Total Environment</i> , 2018 , 625, 978-986	10.2	4
243	Antibiotic-eluting orthopedic device to prevent early implant associated infections: Efficacy, biocompatibility and biodistribution studies in an ovine model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 1976-1986	3.5	6
242	Pro-angiogenic near infrared-responsive hydrogels for deliberate transgene expression. <i>Acta Biomaterialia</i> , 2018 , 78, 123-136	10.8	7
241	Luminescent mesoporous nanorods as photocatalytic enzyme-like peroxidase surrogates. <i>Chemical Science</i> , 2018 , 9, 7766-7778	9.4	9
240	Versatile hollow fluorescent metal-silica nanohybrids through a modified microemulsion synthesis route. <i>Journal of Colloid and Interface Science</i> , 2018 , 513, 497-504	9.3	4
239	Single phase microreactor for the continuous, high-temperature synthesis of . <i>Chemical Engineering Journal</i> , 2018 , 340, 66-72	14.7	38
238	Laser-Assisted Production of Carbon-Encapsulated Pt-Co Alloy Nanoparticles for Preferential Oxidation of Carbon Monoxide. <i>Frontiers in Chemistry</i> , 2018 , 6, 487	5	10
237	Modeling the size distribution in a fluidized bed of nanopowder. <i>Environmental Science: Nano</i> , 2017 , 4, 670-678	7.1	4
236	In-situ preparation of ultra-small Pt nanoparticles within rod-shaped mesoporous silica particles: 3-D tomography and catalytic oxidation of n-hexane. <i>Catalysis Communications</i> , 2017 , 100, 93-97	3.2	16
235	Polymer functionalized gold nanoparticles as nonviral gene delivery reagents. <i>Journal of Gene Medicine</i> , 2017 , 19, e2964	3.5	14
234	Preparation of Drug-Loaded PLGA-PEG Nanoparticles by Membrane-Assisted Nanoprecipitation. <i>Pharmaceutical Research</i> , 2017 , 34, 1296-1308	4.5	28
233	Uniform luminescent carbon nanodots prepared by rapid pyrolysis of organic precursors confined within nanoporous templating structures. <i>Carbon</i> , 2017 , 117, 437-446	10.4	74
232	Pumping Metallic Nanoparticles with Spatial Precision within Magnetic Mesoporous Platforms: 3D Characterization and Catalytic Application. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41529-41536	9.5	10
231	Innenrücktitelbild: Gold-Triggered Uncaging Chemistry in Living Systems (Angew. Chem. 41/2017). <i>Angewandte Chemie</i> , 2017 , 129, 12965-12965	3.6	
230	Easy Preparation of Tannin-Based Ag Catalysts for Ethylene Epoxidation. <i>ChemistrySelect</i> , 2017 , 2, 8509-8516	8.5	3
229	Gold-Triggered Uncaging Chemistry in Living Systems. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12548-12552	16.4	92
228	Gold-Triggered Uncaging Chemistry in Living Systems. <i>Angewandte Chemie</i> , 2017 , 129, 12722-12726	3.6	21

227	High surface coverage of a self-assembled monolayer by in situ synthesis of palladium nanodeposits. <i>Nanoscale</i> , 2017 , 9, 13281-13290	7.7	12
226	Lipogels responsive to near-infrared light for the triggered release of therapeutic agents. <i>Acta Biomaterialia</i> , 2017 , 61, 54-65	10.8	11
225	The effect of PEGylated hollow gold nanoparticles on stem cell migration: potential application in tissue regeneration. <i>Nanoscale</i> , 2017 , 9, 9848-9858	7.7	27
224	Titania-coated gold nanorods with expanded photocatalytic response. Enzyme-like glucose oxidation under near-infrared illumination. <i>Nanoscale</i> , 2017 , 9, 1787-1792	7.7	38
223	Modulation of bactericidal action in polymer nanocomposites: light-tuned Ag ⁺ release from electrospun PMMA fibers. <i>RSC Advances</i> , 2016 , 6, 78036-78042	3.7	7
222	Selective delivery of photothermal nanoparticles to tumors using mesenchymal stem cells as Trojan horses. <i>RSC Advances</i> , 2016 , 6, 58723-58732	3.7	13
221	Dual encapsulation of hydrophobic and hydrophilic drugs in PLGA nanoparticles by a single-step method: drug delivery and cytotoxicity assays. <i>RSC Advances</i> , 2016 , 6, 111060-111069	3.7	50
220	A Nanoarchitecture Based on Silver and Copper Oxide with an Exceptional Response in the Chlorine-Promoted Epoxidation of Ethylene. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11158-11164	16.4	24
219	Zeolite based microconcentrators for volatile organic compounds sensing at trace-level: fabrication and performance. <i>Journal of Micromechanics and Microengineering</i> , 2016 , 26, 084010	2	5
218	Amine-functionalized mesoporous silica: A material capable of CO ₂ adsorption and fast regeneration by microwave heating. <i>AIChE Journal</i> , 2016 , 62, 547-555	3.6	43
217	. <i>IEEE Sensors Journal</i> , 2016 , 16, 3435-3443	4	3
216	Continuous microfluidic synthesis and functionalization of gold nanorods. <i>Chemical Engineering Journal</i> , 2016 , 285, 286-292	14.7	58
215	Ultrasmall Platinum Nanoparticles on Fe ₃ O ₄ : A Low-Temperature Catalyst for the Preferential Oxidation Reaction. <i>ChemCatChem</i> , 2016 , 8, 1479-1484	5.2	6
214	Innentitelbild: A Nanoarchitecture Based on Silver and Copper Oxide with an Exceptional Response in the Chlorine-Promoted Epoxidation of Ethylene (Angew. Chem. 37/2016). <i>Angewandte Chemie</i> , 2016 , 128, 11082-11082	3.6	
213	Fluorescently labelled SiO ₂ nanoparticles as tracers in natural waters: dependence of detection limits on environmental conditions. <i>Environmental Science: Nano</i> , 2016 , 3, 631-637	7.1	6
212	A Nanoarchitecture Based on Silver and Copper Oxide with an Exceptional Response in the Chlorine-Promoted Epoxidation of Ethylene. <i>Angewandte Chemie</i> , 2016 , 128, 11324-11327	3.6	3
211	In-situ preparation of a highly accessible Pt/CNF catalytic layer on metallic microchannel reactors. Application to the SELOX reaction. <i>Applied Catalysis A: General</i> , 2015 , 505, 193-199	5.1	6
210	Removal of VOCs at trace concentration levels from humid air by Microwave Swing Adsorption, kinetics and proper sorbent selection. <i>Separation and Purification Technology</i> , 2015 , 151, 193-200	8.3	35

209	Electrospun Au/CeO ₂ nanofibers: A highly accessible low-pressure drop catalyst for preferential CO oxidation. <i>Journal of Catalysis</i> , 2015 , 329, 479-489	7.3	31
208	Spontaneous formation of Au-Pt alloyed nanoparticles using pure nano-counterparts as starters: a ligand and size dependent process. <i>Nanoscale</i> , 2015 , 7, 10152-61	7.7	33
207	Facile production of stable silicon nanoparticles: laser chemistry coupled to in situ stabilization via room temperature hydrosilylation. <i>Nanoscale</i> , 2015 , 7, 8566-73	7.7	7
206	Gas Slug Microfluidics: A Unique Tool for Ultrafast, Highly Controlled Growth of Iron Oxide Nanostructures. <i>Chemistry of Materials</i> , 2015 , 27, 4254-4260	9.6	54
205	A controlled antibiotic release system to prevent orthopedic-implant associated infections: An in vitro study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 96, 264-71	5.7	73
204	Continuous-Mode Laser Ablation at the Solid-Liquid Interface of Pelletized Low-Cost Materials for the Production of Luminescent Silicon Carbide Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2158-2165	3.8	13
203	VOCs abatement using thick eggshell Pt/SBA-15 pellets with hierarchical porosity. <i>Catalysis Today</i> , 2014 , 227, 179-186	5.3	31
202	Near-infrared-actuated devices for remotely controlled drug delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1349-54	11.5	157
201	Reaction engineering strategies for the production of inorganic nanomaterials. <i>Small</i> , 2014 , 10, 835-53	11	62
200	Ex vivo assessment of polyol coated-iron oxide nanoparticles for MRI diagnosis applications: toxicological and MRI contrast enhancement effects. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	16
199	Gold-coated halloysite nanotubes as tunable plasmonic platforms. <i>New Journal of Chemistry</i> , 2014 , 38, 2037	3.6	38
198	Scaled-up production of plasmonic nanoparticles using microfluidics: from metal precursors to functionalized and sterilized nanoparticles. <i>Lab on A Chip</i> , 2014 , 14, 325-32	7.2	70
197	Au-PLA nanocomposites for photothermally controlled drug delivery. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 409-417	7.3	44
196	Identification of TiO ₂ nanoparticles using La and Ce as labels: application to the evaluation of surface contamination during the handling of nanosized matter. <i>Environmental Science: Nano</i> , 2014 , 1, 496-503	7.1	11
195	Plasmon-enhanced photocatalytic water purification. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 15113-16	11.6	31
194	Development of a self-cleaning dispersion and exposure chamber: application to the monitoring of simulated accidents involving the generation of airborne nanoparticles. <i>Journal of Hazardous Materials</i> , 2014 , 280, 226-34	12.8	4
193	Temporal and spatial patterning of transgene expression by near-infrared irradiation. <i>Biomaterials</i> , 2014 , 35, 8134-8143	15.6	19
192	Pore ordering and surface properties of FDU-12 and SBA-15 mesoporous materials and their relation to drug loading and release in aqueous environments. <i>Materials Research Bulletin</i> , 2014 , 59, 311-322	5.1	34

191	Unintended emission of nanoparticle aerosols during common laboratory handling operations. <i>Journal of Hazardous Materials</i> , 2014 , 279, 75-84	12.8	11
190	Evaluation of gold-decorated halloysite nanotubes as plasmonic photocatalysts. <i>Catalysis Communications</i> , 2014 , 56, 115-118	3.2	22
189	Reinforced SIL-1 micromembranes integrated on chip: Application to CO ₂ separation. <i>Journal of Membrane Science</i> , 2014 , 460, 34-45	9.6	4
188	Magneto-plasmonic nanoparticles as theranostic platforms for magnetic resonance imaging, drug delivery and NIR hyperthermia applications. <i>Nanoscale</i> , 2014 , 6, 9230-40	7.7	53
187	2014 ,		1
186	Explosives Detection by array of Si 3 cantilevers coated with titanosilicate type nanoporous materials 2014 ,		1
185	Facile preparation of transparent and conductive polymer films based on silver nanowire/polycarbonate nanocomposites. <i>Nanotechnology</i> , 2013 , 24, 275603	3.4	36
184	Heating of Zeolites under Microwave Irradiation: A Density Functional Theory Approach to the Ion Movements Responsible of the Dielectric Loss in Na, K, and Ca A-Zeolites. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15659-15666	3.8	12
183	Beyond gold: rediscovering tetrakis-(hydroxymethyl)-phosphonium chloride (THPC) as an effective agent for the synthesis of ultra-small noble metal nanoparticles and Pt-containing nanoalloys. <i>RSC Advances</i> , 2013 , 3, 10427	3.7	47
182	Synthesis and magnetic behavior of ultra-small bimetallic FeCo/graphite nanoparticles. <i>Nanotechnology</i> , 2013 , 24, 505702	3.4	32
181	Explosives detection by using 8-microcantilever chips with self-heating elements modified with exchanged BEA type zeolites 2013 ,		4
180	Encapsulation of titanium dioxide nanoparticles in PLA microspheres using supercritical emulsion extraction to produce bactericidal nanocomposites. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	23
179	Stability and biocompatibility of photothermal gold nanorods after lyophilization and sterilization. <i>Materials Research Bulletin</i> , 2013 , 48, 4051-4057	5.1	13
178	Magnetically-driven selective synthesis of Au clusters on Fe ₃ O ₄ nanoparticles. <i>Chemical Communications</i> , 2013 , 49, 716-8	5.8	9
177	Porous orthopedic steel implant as an antibiotic eluting device: prevention of post-surgical infection on an ovine model. <i>International Journal of Pharmaceutics</i> , 2013 , 452, 166-72	6.5	26
176	Preparation and characterization of chitosan-silver nanocomposite films and their antibacterial activity against <i>Staphylococcus aureus</i> . <i>Nanotechnology</i> , 2013 , 24, 015101	3.4	109
175	Autoimmune/autoinflammatory syndrome induced by adjuvants (ASIA syndrome) in commercial sheep. <i>Immunologic Research</i> , 2013 , 56, 317-24	4.3	51
174	Fluidized Bed Generation of Stable Silica Nanoparticle Aerosols. <i>Aerosol Science and Technology</i> , 2013 , 47, 867-874	3.4	9

173	Enhancing of plasmonic photothermal therapy through heat-inducible transgene activity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 646-56	6	26
172	Intense generation of respirable metal nanoparticles from a low-power soldering unit. <i>Journal of Hazardous Materials</i> , 2013 , 256-257, 84-9	12.8	9
171	Laser-driven heterogeneous catalysis: efficient amide formation catalysed by Au/SiO ₂ systems. <i>Green Chemistry</i> , 2013 , 15, 2043	10	52
170	Generation of TiO ₂ Aerosols from Liquid Suspensions: Influence of Colloid Characteristics. <i>Aerosol Science and Technology</i> , 2013 , 47, 1383-1392	3.4	6
169	Continuous production of iron-based nanocrystals by laser pyrolysis. Effect of operating variables on size, composition and magnetic response. <i>Nanotechnology</i> , 2013 , 24, 325603	3.4	13
168	Strong bactericidal synergy between peracetic acid and silver-exchanged zeolites. <i>Microporous and Mesoporous Materials</i> , 2012 , 156, 171-175	5.3	15
167	Nanoporous silicalite-only cantilevers as micromechanical sensors: Fabrication, resonance response and VOCs sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2012 , 168, 74-82	8.5	16
166	Microwave-assisted mild-temperature preparation of neodymium-doped titania for the improved photodegradation of water contaminants. <i>Applied Catalysis A: General</i> , 2012 , 441-442, 47-53	5.1	34
165	Facile synthesis of SiO ₂ /Au nanoshells in a three-stage microfluidic system. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21420		41
164	Detection of organic vapours with Si cantilevers coated with inorganic (zeolites) or organic (polymer) layers. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 822-831	8.5	33
163	Mesoporous silica loaded with peracetic acid and silver nanoparticles as a dual-effect, highly efficient bactericidal agent. <i>Microporous and Mesoporous Materials</i> , 2012 , 161, 84-90	5.3	24
162	Surface functionalization for tailoring the aggregation and magnetic behaviour of silica-coated iron oxide nanostructures. <i>Nanotechnology</i> , 2012 , 23, 155603	3.4	28
161	Synthesis of Magnetic Nanocrystals by Thermal Decomposition in Glycol Media: Effect of Process Variables and Mechanistic Study. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8348-8357	3.9	35
160	Synthesis and characterization of ultra-small magnetic FeNi/G and NiCo/G nanoparticles. <i>Nanotechnology</i> , 2012 , 23, 085601	3.4	27
159	Silver nanowires/polycarbonate composites for conductive films. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 40, 012001	0.4	15
158	Use of a polyol liquid collection medium to obtain ultrasmall magnetic nanoparticles by laser pyrolysis. <i>Nanotechnology</i> , 2012 , 23, 425605	3.4	26
157	Antibacterial action of Ag-containing MFI zeolite at low Ag loadings. <i>Chemical Communications</i> , 2011 , 47, 680-2	5.8	55
156	Magnetically triggered nanocomposite membranes: a versatile platform for triggered drug release. <i>Nano Letters</i> , 2011 , 11, 1395-400	11.5	217

155	Development of Stable, Water-Dispersible, and Biofunctionalizable Superparamagnetic Iron Oxide Nanoparticles. <i>Chemistry of Materials</i> , 2011 , 23, 2795-2802	9.6	78
154	Bactericidal effects of different silver-containing materials. <i>Materials Research Bulletin</i> , 2011 , 46, 2070-2076	9.16	79
153	Monoamine-grafted MCM-48: An efficient material for CO ₂ removal at low partial pressures. <i>Chemical Engineering Journal</i> , 2011 , 175, 291-297	14.7	37
152	Size-dependent transfection efficiency of PEI-coated gold nanoparticles. <i>Acta Biomaterialia</i> , 2011 , 7, 3645-55	10.8	76
151	On the role of the colloidal stability of mesoporous silica nanoparticles as gene delivery vectors. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 4097-4108	2.3	17
150	Hollow porous implants filled with mesoporous silica particles as a two-stage antibiotic-eluting device. <i>International Journal of Pharmaceutics</i> , 2011 , 409, 1-8	6.5	22
149	A dry milling approach for the synthesis of highly active nanoparticles supported on porous materials. <i>ChemSusChem</i> , 2011 , 4, 1561-5	8.3	64
148	Comparative study of the synthesis of silica nanoparticles in micromixer/microreactor and batch reactor systems. <i>Chemical Engineering Journal</i> , 2011 , 171, 674-683	14.7	62
147	Al-promoted increase of surface area and adsorption capacity in ordered mesoporous silica materials with a cubic structure. <i>Chemical Communications</i> , 2011 , 47, 12337-9	5.8	5
146	Zeolite films and membranes. Emerging applications. <i>Microporous and Mesoporous Materials</i> , 2011 , 144, 19-27	5.3	102
145	Zeolite-coated interdigital capacitors for humidity sensing. <i>Sensors and Actuators B: Chemical</i> , 2011 , 157, 450-459	8.5	25
144	Explosives detection using nanoporous coatings 2011 ,		6
143	Reported nanosafety practices in research laboratories worldwide. <i>Nature Nanotechnology</i> , 2010 , 5, 93-68.7	68.7	42
142	Drug delivery from internally implanted biomedical devices used in traumatology and in orthopedic surgery. <i>Expert Opinion on Drug Delivery</i> , 2010 , 7, 589-603	8	18
141	Combustion of Volatile Organic Compounds at Trace Concentration Levels in Zeolite-Coated Microreactors. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 6941-6947	3.9	20
140	NIR-enhanced drug release from porous Au/SiO ₂ nanoparticles. <i>Chemical Communications</i> , 2010 , 46, 7513-5	5.8	40
139	Oxidative dehydrogenation of propane to propene, 1: Kinetic study on V/MgO. <i>Canadian Journal of Chemical Engineering</i> , 2010 , 79, 891-901	2.3	8
138	Oxidative dehydrogenation of propane to propene, 2: Simulation of a commercial inert membrane reactor immersed in a fluidized bed. <i>Canadian Journal of Chemical Engineering</i> , 2010 , 79, 902-912	2.3	7

137	Mechanically reinforced biodegradable nanocomposites. A facile synthesis based on PEGylated silica nanoparticles. <i>Polymer</i> , 2010 , 51, 6132-6139	3.9	19
136	Optical vibrometer for mechanical properties characterization of silicalite-only cantilever based sensors. <i>Microelectronic Engineering</i> , 2010 , 87, 1207-1209	2.5	4
135	Gas Sensing with Silicon-Based Nanoporous Solids 2009 , 387-411		3
134	Study on template removal from silicalite-1 giant crystals. <i>Materials Research Bulletin</i> , 2009 , 44, 1280-1287	3.1	17
133	Effect of Nitinol surface treatments on its physico-chemical properties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 91, 337-47	3.5	16
132	Preparation of stable MCM-48 tubular membranes. <i>Journal of Membrane Science</i> , 2009 , 326, 137-144	9.6	19
131	Zeolite-modified cantilevers for the sensing of nitrotoluene vapors. <i>Sensors and Actuators B: Chemical</i> , 2009 , 137, 608-616	8.5	56
130	Microreactors with Pt/zeolite catalytic films for the selective oxidation of CO in simulated reformer streams. <i>Catalysis Today</i> , 2009 , 147, S10-S16	5.3	19
129	Selective oxidation of CO in the presence of H ₂ , CO ₂ and H ₂ O, on different zeolite-supported Pt catalysts. <i>Applied Catalysis A: General</i> , 2009 , 366, 242-251	5.1	38
128	A magnetically triggered composite membrane for on-demand drug delivery. <i>Nano Letters</i> , 2009 , 9, 3651-3657	17.5	308
127	Preparation of Magnetic Nanoparticles Encapsulated by an Ultrathin Silica Shell via Transformation of Magnetic Fe-MCM-41. <i>Chemistry of Materials</i> , 2008 , 20, 486-493	9.6	80
126	Separation of propylene/propane mixtures by titanosilicate ETS-10 membranes prepared in one-step seeded hydrothermal synthesis. <i>Journal of Membrane Science</i> , 2008 , 311, 326-335	9.6	29
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