

# Gianmario Martra

## 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.

255  
papers

8,765  
citations

50  
h-index

81  
g-index

266  
ext. papers

9,479  
ext. citations

5  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
255	DFT and kinetic evidences of the preferential CO oxidation pattern of manganese dioxide catalysts in hydrogen stream (PROX). <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 300, 120715	21.8	2
254	Few-Layered MoS <sub>2</sub> Nanoparticles Covering Anatase TiO <sub>2</sub> Nanosheets: Comparison between Ex Situ and In Situ Synthesis Approaches. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 143	2.6	2
253	Tailoring manganese oxide catalysts for the total oxidation of pollutants in gas and liquid phase. <i>Applied Catalysis A: General</i> , <b>2021</b> , 610, 117917	5.1	4
252	Chemistry behind leather: Life Cycle Assessment of nano-hydroxyapatite preparation on the lab-scale for fireproofing applications. <i>Journal of Cleaner Production</i> , <b>2021</b> , 279, 123837	10.3	7
251	Surface Processes in Photocatalytic Reduction of CO <sub>2</sub> on TiO <sub>2</sub> -based Materials. <i>Journal of Photocatalysis</i> , <b>2021</b> , 2, 10-24	0.8	
250	Steering polymer growth by molding nanochannels: 1,5-hexadiene polymerization in high silica mordenite. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 311, 110728	5.3	5
249	Morphology, Surface Structure and Water Adsorption Properties of TiO Nanoparticles: A Comparison of Different Commercial Samples. <i>Molecules</i> , <b>2020</b> , 25,	4.8	12
248	Monitoring the Reactivity of Formamide on Amorphous SiO by In-Situ UV-Raman Spectroscopy and DFT Modeling. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
247	Improving discrimination of Raman spectra by optimising preprocessing strategies on the basis of the ability to refine the relationship between variance components. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2020</b> , 202, 104029	3.8	8
246	Combined Effect of Citrate and Fluoride Ions on Hydroxyapatite Nanoparticles. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 3163-3172	3.5	6
245	Surface Structure and Phase Composition of TiO <sub>2</sub> P25 Particles After Thermal Treatments and HF Etching. <i>Frontiers in Materials</i> , <b>2020</b> , 7,	4	13
244	On the Surface Acid-Base Properties of Amorphous and Crystalline Mg <sub>2</sub> SiO <sub>4</sub> as Probed by Adsorbed CO, CO <sub>2</sub> , and CD <sub>3</sub> CN. <i>ACS Earth and Space Chemistry</i> , <b>2020</b> , 4, 345-354	3.2	3
243	High-silica mordenite as scaffold for phenylacetylene polymerization: In situ high pressure investigation. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 300, 110163	5.3	3
242	Towards the control of the biological identity of nanobiomaterials: Impact of the structure of 011100 surface terminations of nanohydroxyapatite on the conformation of adsorbed proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2020</b> , 188, 110780	6	1
241	Thermal behavior of high silica mordenite. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 294, 109882	5.3	2
240	Vibrational spectroscopy <b>2020</b> , 457-480		2
239	Surface and Bulk Distribution of Fluorides and Ti <sup>3+</sup> Species in TiO <sub>2</sub> Nanosheets: Implications on Charge Carrier Dynamics and Photocatalysis. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 3141-3149	3.8	11

238	Toward a novel framework for bloodstains dating by Raman spectroscopy: How to avoid sample photodamage and subsampling errors. <i>Talanta</i> , <b>2020</b> , 209, 120565	6.2	13
237	Migration study of organotin compounds from food packaging by surface-enhanced Raman scattering. <i>Talanta</i> , <b>2020</b> , 220, 121408	6.2	4
236	Organic surface modification and analysis of titania nanoparticles for self-assembly in multiple layers. <i>Surface and Interface Analysis</i> , <b>2020</b> , 52, 829-834	1.5	1
235	Machine learning approach for elucidating and predicting the role of synthesis parameters on the shape and size of TiO nanoparticles. <i>Scientific Reports</i> , <b>2020</b> , 10, 18910	4.9	8
234	Nearly free surface silanols are the critical molecular moieties that initiate the toxicity of silica particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 27836-27846	11.5	25
233	Titelbild: The Case of Formic Acid on Anatase TiO <sub>2</sub> (101): Where is the Acid Proton? (Angew. Chem. 36/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12435-12435	3.6	0
232	Solid silica nanoparticles as carriers of fluorescent squaraine dyes in aqueous media: Toward a molecular engineering approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 568, 123-130	5.1	6
231	Formic Acid Photoreforming for Hydrogen Production on Shape-Controlled Anatase TiO <sub>2</sub> Nanoparticles: Assessment of the Role of Fluorides, {101}/{001} Surfaces Ratio, and Platinization. <i>ACS Catalysis</i> , <b>2019</b> , 9, 6692-6697	13.1	42
230	The interaction of SiO nanoparticles with the neuronal cell membrane: activation of ionic channels and calcium influx. <i>Nanomedicine</i> , <b>2019</b> , 14, 575-594	5.6	3
229	The Case of Formic Acid on Anatase TiO <sub>2</sub> (101): Where is the Acid Proton?. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12561-12564	3.6	6
228	The puzzling issue of silica toxicity: are silanols bridging the gaps between surface states and pathogenicity?. <i>Particle and Fibre Toxicology</i> , <b>2019</b> , 16, 32	8.4	36
227	The Case of Formic Acid on Anatase TiO (101): Where is the Acid Proton?. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12431-12434	16.4	46
226	Role of citrate in the formation of enamel-like calcium phosphate oriented nanorod arrays. <i>CrystEngComm</i> , <b>2019</b> , 21, 4684-4689	3.3	5
225	Molecules and heterostructures at TiO <sub>2</sub> surface: the cases of H <sub>2</sub> O, CO <sub>2</sub> , and organic and inorganic sensitizers. <i>Research on Chemical Intermediates</i> , <b>2019</b> , 45, 5801-5829	2.8	8
224	Flexible and Transparent Substrates Based on Gold Nanoparticles and TiO for in Situ Bioanalysis by Surface-Enhanced Raman Spectroscopy. <i>Biosensors</i> , <b>2019</b> , 9,	5.9	6
223	Enzyme activation by alternating magnetic field: Importance of the bioconjugation methodology. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 537, 615-628	9.3	23
222	Zeolite/dye hybrid composites: Organization of photoactive azobenzene molecules inside AlPO <sub>4</sub> -5. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 268, 25-30	5.3	4
221	How Does Silica Catalyze the Amide Bond Formation under Dry Conditions? Role of Specific Surface Silanol Pairs. <i>ACS Catalysis</i> , <b>2018</b> , 8, 4558-4568	13.1	36

220	Detection of insect meal in compound feed by Near Infrared spectral imaging. <i>Food Chemistry</i> , <b>2018</b> , 267, 240-245	8.5	10
219	Structure and Host-Guest Interactions of Perylene Diimide Dyes in Zeolite L Nanochannels. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 3401-3418	3.8	18
218	SiO nanoparticles modulate the electrical activity of neuroendocrine cells without exerting genomic effects. <i>Scientific Reports</i> , <b>2018</b> , 8, 2760	4.9	5
217	Control of functionalization of supports for subsequent assembly of titania nanoparticle films. <i>Surface and Interface Analysis</i> , <b>2018</b> , 50, 1200-1206	1.5	3
216	Indoor illumination: A possible pitfall in toxicological assessment of photo-active nanomaterials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 350, 23-31	4.7	2
215	Rapid and sensitive detection of pyrimethanil residues on pome fruits by Surface Enhanced Raman Scattering. <i>Food Chemistry</i> , <b>2018</b> , 244, 16-24	8.5	35
214	Silica nanoparticles actively engage with mesenchymal stem cells in improving acute functional cardiac integration. <i>Nanomedicine</i> , <b>2018</b> , 13, 1121-1138	5.6	14
213	Does the Abiotic Formation of Oligopeptides on TiO <sub>2</sub> Nanoparticles Require Special Catalytic Sites? Apparently Not. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 5854-5857	1.3	4
212	Solvent-free synthesis of SerHis dipeptide from non-activated amino acids and its potential function as organocatalyst. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 1797-1810	2.8	2
211	Formamide Adsorption at the Amorphous Silica Surface: A Combined Experimental and Computational Approach. <i>Life</i> , <b>2018</b> , 8,	3	12
210	Beyond Shape Engineering of TiO <sub>2</sub> Nanoparticles: Post-Synthesis Treatment Dependence of Surface Hydration, Hydroxylation, Lewis Acidity and Photocatalytic Activity of TiO <sub>2</sub> Anatase Nanoparticles with Dominant {001} or {101} Facets. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 5355-5365	5.6	68
209	Study of cocaine incorporation in hair damaged by cosmetic treatments. <i>Forensic Chemistry</i> , <b>2017</b> , 3, 69-73	2.8	9
208	Species-specific detection of processed animal proteins in feed by Raman spectroscopy. <i>Food Chemistry</i> , <b>2017</b> , 229, 268-275	8.5	21
207	Preparation and Characterization of Magnetic and Porous Metal-Ceramic Nanocomposites from a Zeolite Precursor and Their Application for DNA Separation. <i>Journal of Biomedical Nanotechnology</i> , <b>2017</b> , 13, 337-48	4	20
206	Insights into Cr/SiO <sub>2</sub> catalysts during dehydrogenation of propane: an operando XAS investigation. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1690-1700	5.5	18
205	Analysis of Fluorine Traces in TiO <sub>2</sub> Nanoplatelets by SEM/EDX, AES and TOF-SIMS. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 1908-1909	0.5	
204	On the surface effects of citrates on nano-apatites: evidence of a decreased hydrophilicity. <i>Scientific Reports</i> , <b>2017</b> , 7, 8901	4.9	15
203	Magnetic states of nanostructures containing Ni ions at the surface of SiO nanospheres. <i>Scientific Reports</i> , <b>2017</b> , 7, 10822	4.9	1

202	Conductive ZSM-5-Based Adsorbent for CO <sub>2</sub> Capture: Active Phase vs Monolith. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 8485-8498	3.9	27
201	Iron(III) Oxide Nanoparticles as Catalysts for the Formation of Linear Glycine Peptides. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 198-211	2.3	14
200	Organic Surface Modification and Analysis of Titania Nanoparticles for Self-Assembly in Multiple Layers. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 1872-1873	0.5	
199	Towards efficient catalysts for the oxidative dehydrogenation of propane in the presence of CO <sub>2</sub> : Cr/SiO <sub>2</sub> systems prepared by direct hydrothermal synthesis. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 840-850	5.5	27
198	On the Simple Complexity of Carbon Monoxide on Oxide Surfaces: Facet-Specific Donation and Backdonation Effects Revealed on TiO <sub>2</sub> Anatase Nanoparticles. <i>ChemPhysChem</i> , <b>2016</b> , 17, 1956-60	3.2	25
197	Formation of dibutyl carbonate and butylcarbamate via CO <sub>2</sub> insertion in titanium(IV) butoxide and reaction with n-butylamine. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2016</b> , 13, 90-94	7.6	11
196	Formulation of Innovative Hybrid Chitosan/TiO <sub>2</sub> - and Chitosan/SiO <sub>2</sub> -Based Drug-Delivery Systems <b>2016</b> , 201-226		
195	Shape engineered TiO <sub>2</sub> nanoparticles in <i>Caenorhabditis elegans</i> : a Raman imaging based approach to assist tissue-specific toxicological studies. <i>RSC Advances</i> , <b>2016</b> , 6, 70501-70509	3.7	14
194	A surface science approach to TiO <sub>2</sub> P25 photocatalysis: An in situ FTIR study of phenol photodegradation at controlled water coverages from sub-monolayer to multilayer. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 196, 135-141	21.8	71
193	A Step toward Control of the Surface Structure of Biomimetic Hydroxyapatite Nanoparticles: Effect of Carboxylates on the {010} P-Rich/Ca-Rich Facets Ratio. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 5928-5937 <sup>20</sup>	3.8	
192	Thionine Dye Confined in Zeolite L: Synthesis Location and Optical Properties. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 16156-16165	3.8	13
191	Free-radical chemistry as a means to evaluate lunar dust health hazard in view of future missions to the moon. <i>Astrobiology</i> , <b>2015</b> , 15, 371-80	3.7	15
190	Interaction of SiO <sub>2</sub> nanoparticles with neuronal cells: Ionic mechanisms involved in the perturbation of calcium homeostasis. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2015</b> , 66, 101-11	5.6	28
189	Effect of Silica Surface Properties on the Formation of Multilayer or Submonolayer Protein Hard Corona: Albumin Adsorption on Pyrolytic and Colloidal SiO <sub>2</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 26493-26505	3.8	24
188	Possible Chemical Source of Discrepancy between in Vitro and in Vivo Tests in Nanotoxicology Caused by Strong Adsorption of Buffer Components. <i>Chemical Research in Toxicology</i> , <b>2015</b> , 28, 87-91	4	21
187	The growth mechanism of apatite nanocrystals assisted by citrate: relevance to bone biomineralization. <i>CrystEngComm</i> , <b>2015</b> , 17, 507-511	3.3	48
186	Uptake: Factors Ruling the Uptake of Silica Nanoparticles by Mesenchymal Stem Cells: Agglomeration Versus Dispersions, Absence Versus Presence of Serum Proteins (Small 24/2015). <i>Small</i> , <b>2015</b> , 11, 2918-2918	11	1
185	Activity patterns of metal oxide catalysts in the synthesis of N-phenylpropionamide from propanoic acid and aniline. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 1911-1918	5.5	11

184	Human mesenchymal stem cells labelled with dye-loaded amorphous silica nanoparticles: long-term biosafety, stemness preservation and traceability in the beating heart. <i>Journal of Nanobiotechnology</i> , <b>2015</b> , 13, 77	9.4	14
183	Factors Ruling the Uptake of Silica Nanoparticles by Mesenchymal Stem Cells: Agglomeration Versus Dispersions, Absence Versus Presence of Serum Proteins. <i>Small</i> , <b>2015</b> , 11, 2919-28	11	17
182	Palladium nanoparticles supported on Smopex <sup>®</sup> metal scavengers as catalyst for carbonylative Sonogashira reactions: Synthesis of $\alpha$ -alkynyl ketones. <i>Applied Catalysis A: General</i> , <b>2014</b> , 480, 1-9	5.1	20
181	Fast TiO <sub>2</sub> -catalyzed direct amidation of neat carboxylic acids under mild dielectric heating. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 1395-1399	5.5	16
180	New formulation of functionalized bioactive glasses to be used as carriers for the development of pH-stimuli responsive biomaterials for bone diseases. <i>Langmuir</i> , <b>2014</b> , 30, 4703-15	4	19
179	Close-Packed Dye Molecules in Zeolite Channels Self-Assemble into Supramolecular Nanoladders. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 15732-15743	3.8	35
178	Conjugation of amino-bioactive glasses with 5-aminofluorescein as probe molecule for the development of pH sensitive stimuli-responsive biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2014</b> , 25, 2243-53	4.5	6
177	The formation and self-assembly of long prebiotic oligomers produced by the condensation of unactivated amino acids on oxide surfaces. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 4671-4	16.4	50
176	The Formation and Self-Assembly of Long Prebiotic Oligomers Produced by the Condensation of Unactivated Amino Acids on Oxide Surfaces. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 4759-4762	3.6	12
175	Innentitelbild: The Formation and Self-Assembly of Long Prebiotic Oligomers Produced by the Condensation of Unactivated Amino Acids on Oxide Surfaces (Angew. Chem. 18/2014). <i>Angewandte Chemie</i> , <b>2014</b> , 126, 4586-4586	3.6	
174	Alumina-zirconia composites functionalized with laminin-1 and laminin-5 for dentistry: effect of protein adsorption on cellular response. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 114, 284-93	6	20
173	Towards the controlled release of metal nanoparticles from biomaterials: Physico-chemical, morphological and bioactivity features of Cu-containing sol-gel glasses. <i>Applied Surface Science</i> , <b>2013</b> , 283, 240-248	6.7	19
172	Shape-controlled TiO <sub>2</sub> nanoparticles and TiO <sub>2</sub> P25 interacting with CO and H <sub>2</sub> O <sub>2</sub> molecular probes: a synergic approach for surface structure recognition and physico-chemical understanding. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 307-15	3.6	61
171	Gold-containing bioactive glasses: a solid-state synthesis to produce alternative biomaterials for bone implantations. <i>Journal of the Royal Society Interface</i> , <b>2013</b> , 10, 20121040	4.1	14
170	Revealing Hydroxyapatite Nanoparticle Surface Structure by CO Adsorption: A Combined B3LYP and Infrared Study. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 25526-25534	3.8	15
169	Surface features of TiO <sub>2</sub> nanoparticles: combination modes of adsorbed CO probe the stepping of (101) facets. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 13391-9	3.6	26
168	FT-IR study of the reaction mechanisms for photocatalytic reduction of NO with CO promoted by various single-site photocatalysts. <i>Journal of Catalysis</i> , <b>2013</b> , 299, 232-239	7.3	7
167	Direct Synthesis of Amides from Carboxylic Acids and Amines by Using Heterogeneous Catalysts: Evidence of Surface Carboxylates as Activated Electrophilic Species. <i>ChemCatChem</i> , <b>2013</b> , 5, 2832-2834	5.2	27



166	FTIR and TPD Study of the Room Temperature Interaction of a NO <sub>x</sub> Oxygen Mixture and of NO <sub>2</sub> with Titanium Dioxide. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 10345-10352	3.8	48
165	Chemoselective hydrogenation of halonitroaromatics over Fe <sub>2</sub> O <sub>3</sub> -supported platinum nanoparticles: The role of the support on their catalytic activity and selectivity. <i>Journal of Molecular Catalysis A</i> , <b>2013</b> , 366, 288-293		35
164	Oxidic Composite for Dental Purposes: Effect of the Laminin 1 Adsorption on Cells Growth. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 302, 104-108	0.3	
163	Study of Wear Phenomena of Coatings for Die-Casting. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 302, 520-524		34
162	Surface Sites of Nanomaterials: Investigation of Local Structures by In Situ IR Spectroscopy. <i>Springer Proceedings in Physics</i> , <b>2013</b> , 145-163	0.2	3
161	EXAFS and XANES structural characterization of bimetallic AuPd vapor derived catalysts. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 430, 012052	0.3	4
160	Bimetallic Gold-Palladium vapour derived catalysts: The role of structural features on their catalytic activity. <i>Journal of Catalysis</i> , <b>2012</b> , 286, 224-236	7.3	35
159	Chemical treatment on alumina-zirconia composites inducing apatite formation with maintained mechanical properties. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 2113-2120	6	40
158	Solid-state and unilateral NMR study of deterioration of a Dead Sea Scroll fragment. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 1551-7	4.4	18
157	Oxidation of alkenes to 1,2-diols: FT-IR and UV studies of silica-supported sulfonic acid catalysts and their interaction with H <sub>2</sub> O and H <sub>2</sub> O <sub>2</sub> . <i>Journal of Catalysis</i> , <b>2012</b> , 294, 19-28	7.3	20
156	Metal vapour derived supported rhodium nanoparticles in the synthesis of lactams and lactones derivatives. <i>Journal of Organometallic Chemistry</i> , <b>2012</b> , 700, 20-28	2.3	9
155	Coordination chemistry of Ca sites at the surface of nanosized hydroxyapatite: interaction with H <sub>2</sub> O and CO. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2012</b> , 370, 1313-36	3	41
154	Nanocrystalline carbonate-apatites: role of Ca/P ratio on the upload and release of anticancer platinum bisphosphonates. <i>Nanoscale</i> , <b>2012</b> , 4, 206-17	7.7	62
153	Magnesium- and strontium-co-substituted hydroxyapatite: the effects of doped-ions on the structure and chemico-physical properties. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2012</b> , 23, 2867-79	4.5	85
152	Fluorescent silica nanoparticles improve optical imaging of stem cells allowing direct discrimination between live and early-stage apoptotic cells. <i>Small</i> , <b>2012</b> , 8, 3192-200	11	33
151	Molecular Engineering of Hybrid Dye-Silica Fluorescent Nanoparticles: Influence of the Dye Structure on the Distribution of Fluorophores and Consequent Photoemission Brightness. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 2792-2801	9.6	33
150	Hair analysis of drugs involved in drug-facilitated sexual assault and detection of zolpidem in a suspected case. <i>International Journal of Legal Medicine</i> , <b>2012</b> , 126, 451-9	3.1	39
149	Toward a Surface Science Model for Biology: Glycine Adsorption on Nanohydroxyapatite with Well-Defined Surfaces. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 1390-1394	6.4	35

148	Photocatalytic Activity of Nanocomposite Catalyst Films Based on Nanocrystalline Metal/Semiconductors. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 12033-12040	3.8	34
147	Affinity of hydroxyapatite (001) and (010) surfaces to formic and alendronic acids: a quantum-mechanical and infrared study. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 1099-111	3.6	26
146	A way to decylamine-stabilized gold nanoparticles of tailored sizes tuning their growth in solution. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 2226-31	1.3	3
145	Synergistic role of B and F dopants in promoting the photocatalytic activity of rutile TiO <sub>2</sub> . <i>ChemPhysChem</i> , <b>2011</b> , 12, 2221-4	3.2	39
144	CrO <sub>x</sub> /SiO <sub>2</sub> catalysts prepared by metal vapour synthesis: Physical/chemical characterisation and functional testing in oxidative dehydrogenation of propane. <i>Chemical Engineering Journal</i> , <b>2011</b> , 166, 1132-1138	14.7	19
143	Model system to study the influence of aggregation on the hemolytic potential of silica nanoparticles. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 1869-75	4	40
142	Surface iron inhibits quartz-induced cytotoxic and inflammatory responses in alveolar macrophages. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 99-110	4	29
141	High aspect ratio materials: role of surface chemistry vs. length in the historical "long and short amosite asbestos fibers". <i>Inhalation Toxicology</i> , <b>2010</b> , 22, 984-98	2.7	35
140	Surface Hydration and Cationic Sites of Nanohydroxyapatites with Amorphous or Crystalline Surfaces: A Comparative Study. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 16640-16648	3.8	62
139	Investigations of the Photoinduced Superhydrophilicity of the TiO <sub>2</sub> Photocatalyst Surface by Near-Infrared Spectroscopy. <i>Nanostructure Science and Technology</i> , <b>2010</b> , 527-542	0.9	1
138	Surface Structure of TiO <sub>2</sub> P25 Nanoparticles: Infrared Study of Hydroxy Groups on Coordinative Defect Sites. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21531-21538	3.8	142
137	Effect of fluorination on the surface properties of titania P25 powder: an FTIR study. <i>Langmuir</i> , <b>2010</b> , 26, 2521-7	4	103
136	Effect of the support on activity of silver catalysts for the selective reduction of NO by propene. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 100, 102-115	21.8	13
135	Highly bright and photostable cyanine dye-doped silica nanoparticles for optical imaging: Photophysical characterization and cell tests. <i>Dyes and Pigments</i> , <b>2010</b> , 84, 121-127	4.6	79
134	Towards a routine application of vibrational spectroscopy to the detection of bone fragments in feedingstuffs: Use and validation of a NIR scanning microscopy method. <i>Food Chemistry</i> , <b>2010</b> , 121, 826-831	8.5	11
133	Evaluation of Hydrophilic/Hydrophobic Properties and Wettability of Oxide Surfaces. <i>Hyomen Kagaku</i> , <b>2009</b> , 30, 148-156		4
132	Solvated gold atoms in the preparation of efficient supported catalysts: Correlation between morphological features and catalytic activity in the hydrosilylation of 1-hexyne. <i>Journal of Catalysis</i> , <b>2009</b> , 266, 250-257	7.3	38
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7	High loading Ni/MgO catalysts. Surface characterization by IR spectra of adsorbed CO. <i>Catalysis Today</i> , <b>1993</b> , 17, 449-458	5.3	15
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