

Francesco Geobaldo

List of Publications by Year in descending order

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125
papers

7,223
citations

43973

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58464

82
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125
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125
docs citations

125
times ranked

7452
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Structure and Reactivity of Framework and Extraframework Iron in Fe-Silicalite as Investigated by Spectroscopic and Physicochemical Methods. <i>Journal of Catalysis</i> , 1996, 158, 486-501. | 3.1 | 604 |
| 2 | DRS UV-Vis and EPR spectroscopy of hydroperoxo and superoxo complexes in titanium silicalite. <i>Catalysis Letters</i> , 1992, 16, 109-115. | 1.4 | 352 |
| 3 | XAFS, IR, and UV-Vis Study of the Cu Environment in Cu-ZSM-5. <i>Journal of Physical Chemistry B</i> , 1997, 101, 344-360. | 1.2 | 345 |
| 4 | Fourier-transform infrared and Raman spectra of pure and Al-, B-, Ti- and Fe-substituted silicalites: stretching-mode region. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 4123. | 1.7 | 277 |
| 5 | Evidence of the Presence of Two Different Framework Ti(IV) Species in Ti-Silicalite-1 in Vacuo Conditions: An EXAFS and a Photoluminescence Study. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6382-6390. | 1.2 | 183 |
| 6 | Synthesis, characterization, and photocatalytic application of novel TiO ₂ nanoparticles. <i>Chemical Engineering Journal</i> , 2010, 157, 45-51. | 6.6 | 183 |
| 7 | FTIR Investigation of the Formation of Neutral and Ionic Hydrogen-Bonded Complexes by Interaction of H-ZSM-5 and H-Mordenite with CH ₃ CN and H ₂ O: A Comparison with the H-NAFION Superacidic System. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16584-16599. | 2.9 | 165 |
| 8 | Fourier-Transform Infrared Study of CO Adsorbed at 77 K on H-Mordenite and Alkali-Metal-Exchanged Mordenites. <i>Langmuir</i> , 1995, 11, 527-533. | 1.6 | 158 |
| 9 | Poly(lactic Acid) and Poly(lactic Acid)-Based Nanocomposite Photooxidation. <i>Biomacromolecules</i> , 2010, 11, 2919-2926. | 2.6 | 144 |
| 10 | Methane combustion on Mg-doped LaMnO ₃ perovskite catalysts. <i>Applied Catalysis B: Environmental</i> , 1999, 20, 277-288. | 10.8 | 141 |
| 11 | IR studies of CO and NO adsorbed on well characterized oxide single microcrystals. <i>Catalysis Today</i> , 1996, 27, 403-435. | 2.2 | 127 |
| 12 | NO ₂ monitoring at room temperature by a porous silicon gas sensor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000, 69-70, 210-214. | 1.7 | 126 |
| 13 | The vibrational spectroscopy of H ₂ , N ₂ , CO and NO adsorbed on the titanosilicate molecular sieve ETS-10. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 1649-1657. | 1.3 | 121 |
| 14 | N ₂ Adsorption at 77 K on H-Mordenite and Alkali-Metal-Exchanged Mordenites: An IR Study. <i>The Journal of Physical Chemistry</i> , 1995, 99, 11167-11177. | 2.9 | 120 |
| 15 | PEO/LAGP hybrid solid polymer electrolytes for ambient temperature lithium batteries by solvent-free, one-pot preparation. <i>Journal of Energy Storage</i> , 2019, 26, 100947. | 3.9 | 117 |
| 16 | IR spectroscopy of neutral and ionic hydrogen-bonded complexes formed upon interaction of CH ₃ OH, C ₂ H ₅ OH, (CH ₃) ₂ O, (C ₂ H ₅) ₂ O and C ₄ H ₈ O with H-Y, H-ZSM-5 and H-mordenite: comparison with analogous adducts formed on the H-Nafion superacidic membrane. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 4863-4875. | 1.7 | 115 |
| 17 | Nanoporous carbon materials obtained by sucrose carbonization in the presence of KOH. <i>Microporous and Mesoporous Materials</i> , 2010, 132, 414-420. | 2.2 | 110 |
| 18 | Concentration quenching in an Er-doped phosphate glass for compact optical lasers and amplifiers. <i>Journal of Alloys and Compounds</i> , 2016, 657, 678-683. | 2.8 | 105 |

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|----|---|-----|-----------|
| 19 | Determination of the geographical origin of green coffee beans using NIR spectroscopy and multivariate data analysis. <i>Food Control</i> , 2019, 99, 137-145. | 2.8 | 102 |
| 20 | Stretching frequencies of cationic CO adducts in alkali-metal exchanged zeolites: An elementary electrostatic approach. <i>Journal of Chemical Physics</i> , 1995, 103, 3158-3165. | 1.2 | 98 |
| 21 | Room temperature ammonia sensors based on zinc oxide and functionalized graphite and multi-walled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2011, 152, 144-154. | 4.0 | 98 |
| 22 | Formation of Cu ⁺ N ₂ adducts at 298 and 77 K in Cu-ZSM-5: an FTIR investigation. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 3285-3290. | 1.7 | 95 |
| 23 | XANES, EXAFS and FTIR characterization of copper-exchanged mordenite. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 1519-1525. | 1.7 | 92 |
| 24 | Propene oligomerization on H-mordenite: Hydrogen-bonding interaction, chain initiation, propagation and hydrogen transfer studied by temperature-programmed FTIR and UV-VIS spectroscopies. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 1243-1249. | 1.7 | 90 |
| 25 | Study of Porous Silicon Nanostructures as Hydrogen Reservoirs. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19711-19718. | 1.2 | 80 |
| 26 | A simple route toward next-gen green energy storage concept by nanofibres-based self-supporting electrodes and a solid polymeric design. <i>Carbon</i> , 2016, 107, 811-822. | 5.4 | 80 |
| 27 | Porous silicon as efficient surface enhanced Raman scattering (SERS) substrate. <i>Applied Surface Science</i> , 2008, 254, 7494-7497. | 3.1 | 78 |
| 28 | Photocatalytic Degradation of Ethylene Emitted by Fruits with TiO ₂ Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 2536-2543. | 1.8 | 78 |
| 29 | Simultaneous determination by NIR spectroscopy of the roasting degree and Arabica/Robusta ratio in roasted and ground coffee. <i>Food Control</i> , 2016, 59, 683-689. | 2.8 | 73 |
| 30 | Discrimination between washed Arabica, natural Arabica and Robusta coffees by using near infrared spectroscopy, electronic nose and electronic tongue analysis. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 2192-2200. | 1.7 | 71 |
| 31 | SERS active Ag nanoparticles in mesoporous silicon: detection of organic molecules and peptide-antibody assays. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 730-736. | 1.2 | 70 |
| 32 | Infrared studies of the interaction of carbon monoxide and dinitrogen with ferrisilicate MFI-type zeolites. <i>Catalysis Letters</i> , 1996, 42, 25-33. | 1.4 | 69 |
| 33 | Properties of poly(lactic acid) nanocomposites based on montmorillonite, sepiolite and zirconium phosphonate. <i>EXPRESS Polymer Letters</i> , 2012, 6, 914-926. | 1.1 | 69 |
| 34 | Coupling of surface waves in highly defined one-dimensional porous silicon photonic crystals for gas sensing applications. <i>Applied Physics Letters</i> , 2007, 91, . | 1.5 | 66 |
| 35 | FTIR investigation of the interaction at 77 K of diatomic molecular probes on MCM-22 zeolite. <i>Microporous and Mesoporous Materials</i> , 1999, 30, 119-127. | 2.2 | 65 |
| 36 | Silver Nanoparticles on Porous Silicon: Approaching Single Molecule Detection in Resonant SERS Regime. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20139-20145. | 1.5 | 63 |

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|----|--|------|-----------|
| 37 | Ammoximation of Cyclohexanone on Titanium Silicalite: Investigation of the Reaction Mechanism. <i>Studies in Surface Science and Catalysis</i> , 1993, 75, 719-729. | 1.5 | 60 |
| 38 | Chitosan-functionalized porous silicon optical transducer for the detection of carboxylic acid-containing drugs in water. <i>Journal of Materials Chemistry</i> , 2011, 21, 2294-2302. | 6.7 | 59 |
| 39 | Evidence of stable hydroxyl radicals and other oxygen radical species generated by interaction of hydrogen peroxide with magnesium oxide. <i>The Journal of Physical Chemistry</i> , 1993, 97, 5735-5740. | 2.9 | 57 |
| 40 | IR study of the acidity of ITQ-2, an all-surface zeolitic system. <i>Journal of Catalysis</i> , 2003, 214, 191-199. | 3.1 | 57 |
| 41 | SERS-Active Ag Nanoparticles on Porous Silicon and PDMS Substrates: A Comparative Study of Uniformity and Raman Efficiency. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16946-16953. | 1.5 | 57 |
| 42 | Local environment of Boron impurities in porous silicon and their interaction with NO ₂ molecules. <i>Physical Review B</i> , 2001, 64, . | 1.1 | 54 |
| 43 | Sensing CO ₂ in a chemically modified porous silicon film. <i>Physica Status Solidi A</i> , 2003, 197, 365-369. | 1.7 | 54 |
| 44 | Fast optical vapour sensing by Bloch surface waves on porous silicon membranes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 502-506. | 1.3 | 52 |
| 45 | A Nanostructured Porous Silicon Near Insulator Becomes Either a p- or an n-Type Semiconductor upon Gas Adsorption. <i>Advanced Materials</i> , 2005, 17, 528-531. | 11.1 | 51 |
| 46 | Hydrogen production from nano-porous Si powder formed by stain etching. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6773-6778. | 3.8 | 51 |
| 47 | Sulphur poisoning of LaMn _{1-x} Mg _x O ₃ catalysts for natural gas combustion. <i>Applied Catalysis B: Environmental</i> , 2001, 30, 61-73. | 10.8 | 50 |
| 48 | Direct patterning of silver particles on porous silicon by inkjet printing of a silver salt via in-situ reduction. <i>Nanoscale Research Letters</i> , 2012, 7, 502. | 3.1 | 48 |
| 49 | Nature and reactivity of Co species in a cobalt-containing beta zeolite: an FTIR study. <i>Catalysis Today</i> , 2001, 70, 107-119. | 2.2 | 47 |
| 50 | Bioconjugate functionalization of thermally carbonized porous silicon using a radical coupling reaction. <i>Dalton Transactions</i> , 2010, 39, 10847. | 1.6 | 46 |
| 51 | Nanomaterials for the Abatement of Pharmaceuticals and Personal Care Products from Wastewater. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 170. | 1.3 | 46 |
| 52 | Prediction of the optimum harvest time of "Scarlet" apples using DR-UV-Vis and NIR spectroscopy. <i>Postharvest Biology and Technology</i> , 2012, 69, 15-23. | 2.9 | 45 |
| 53 | Spectroscopic study in the UV-Vis, near and mid IR of cationic species formed by interaction of thiophene, dithiophene and terthiophene with the zeolite H-Y. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 561-569. | 1.3 | 44 |
| 54 | Reversible Insulator-to-Metal Transition in p-Type Mesoporous Silicon Induced by the Adsorption of Ammonia. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5032-5035. | 7.2 | 43 |

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|----|---|------|-----------|
| 55 | An EPR study on the formation of the superoxide radical ion on monoclinic zirconia. <i>Materials Chemistry and Physics</i> , 1991, 29, 379-386. | 2.0 | 41 |
| 56 | Chapter 4 Characterization of V ₂ O ₅ -TiO ₂ Eurocat catalysts by vibrational and electronic spectroscopies. <i>Catalysis Today</i> , 1994, 20, 61-76. | 2.2 | 41 |
| 57 | A version of Stober synthesis enabling the facile prediction of silica nanospheres size for the fabrication of opal photonic crystals. <i>Journal of Nanoparticle Research</i> , 2008, 10, 1225-1229. | 0.8 | 41 |
| 58 | Immobilization of Oligonucleotides on Metal-Dielectric Nanostructures for miRNA Detection. <i>Analytical Chemistry</i> , 2016, 88, 9554-9563. | 3.2 | 41 |
| 59 | Permeability of micelles in surfactant-containing MCM-41 silica as monitored by embedded dye molecules. <i>Chemical Communications</i> , 2001, , 2216-2217. | 2.2 | 40 |
| 60 | SERS active silver nanoparticles synthesized by inkjet printing on mesoporous silicon. <i>Nanoscale Research Letters</i> , 2014, 9, 527. | 3.1 | 40 |
| 61 | Doubly resonant porous silicon microcavities for enhanced detection of fluorescent organic molecules. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 467-470. | 4.0 | 39 |
| 62 | SERS-active metal-dielectric nanostructures integrated in microfluidic devices for label-free quantitative detection of miRNA. <i>Faraday Discussions</i> , 2017, 205, 271-289. | 1.6 | 39 |
| 63 | Silver-doped keratin nanofibers preserve a titanium surface from biofilm contamination and favor soft-tissue healing. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8366-8377. | 2.9 | 39 |
| 64 | Development of an automated method for the identification of defective hazelnuts based on RGB image analysis and colourgrams. <i>Food Control</i> , 2018, 94, 233-240. | 2.8 | 38 |
| 65 | The interaction between hydrogen peroxide and metal oxides: EPR investigations. <i>Applied Magnetic Resonance</i> , 1996, 10, 173-192. | 0.6 | 35 |
| 66 | Sonochemical preparation of high surface area MgAl ₂ O ₄ spinel. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 136-140. | 3.8 | 35 |
| 67 | Sulphur poisoning of LaMn _{1-x} MgxO ₃ ·yMgO catalysts for methane combustion. <i>Applied Catalysis B: Environmental</i> , 2001, 34, 29-41. | 10.8 | 34 |
| 68 | Heterocycles oligomerization in acidic zeolites: a UV-visible and IR study. <i>Topics in Catalysis</i> , 1999, 8, 279-292. | 1.3 | 32 |
| 69 | Surface-enhanced Raman spectroscopy on porous silicon membranes decorated with Ag nanoparticles integrated in elastomeric microfluidic chips. <i>RSC Advances</i> , 2016, 6, 21865-21870. | 1.7 | 32 |
| 70 | Thermodynamics of Hydrogen Bonding between CO and the Supercage Brønsted Acid Sites of the H-Y Zeolite - Studies from Variable Temperature IR Spectrometry. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 1739-1743. | 1.0 | 31 |
| 71 | H-Bond Formation and Proton Transfer in H-MCM-22 Zeolite as Compared to H-ZSM-5 and H-MOR: An FTIR Study. <i>Journal of Physical Chemistry B</i> , 2002, 106, 1684-1690. | 1.2 | 31 |
| 72 | Oxidised porous silicon impregnated with Congo Red for chemical sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 99-102. | 4.0 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Host- guest interactions in zeolite cavities. <i>Studies in Surface Science and Catalysis</i> , 1995, 97, 213-222. | 1.5 | 29 |
| 74 | Optical response with threefold symmetry axis on oriented microdomains of opal photonic crystals. <i>Physical Review B</i> , 2008, 78, . | 1.1 | 28 |
| 75 | Nitrosylic complexes in Ag(I)â€ZSM-5: a comparison with Cu(I)â€ZSM-5. <i>Microporous and Mesoporous Materials</i> , 1999, 30, 129-135. | 2.2 | 27 |
| 76 | Synthesis, Characterization, and Thiophene Hydrodesulfurization Activity of Novel Macroporous and Mesomacroporous Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 2530-2535. | 1.8 | 27 |
| 77 | Fe- and V-doped mesoporous titania prepared by direct synthesis: Characterization and role in the oxidation of AO7 by H ₂ O ₂ in the dark. <i>Catalysis Today</i> , 2014, 227, 71-79. | 2.2 | 27 |
| 78 | Synthesis, characterization and modelling of silicon based opals. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1425-1429. | 1.5 | 26 |
| 79 | IR detection of NO ₂ using p+ porous silicon as a high sensitivity sensor. <i>Chemical Communications</i> , 2001, , 2196-2197. | 2.2 | 25 |
| 80 | Joint FTIR and TPD study of hydrogen desorption from p-type porous silicon. <i>Physica Status Solidi A</i> , 2003, 197, 217-221. | 1.7 | 25 |
| 81 | Protein immobilization on nanoporous silicon functionalized by RF activated plasma polymerization of Acrylic Acid. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 73-80. | 5.0 | 25 |
| 82 | XANES study of Ti and Fe substituted silicalites in presence and in absence of NH ₃ and comparison with UV-vis, IR and Raman spectra. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995, 97, 23-27. | 0.6 | 23 |
| 83 | Development of a Methane Premixed Catalytic Burner for Household Applications. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 24-33. | 1.8 | 23 |
| 84 | Effects of gas atmospheres on poly(lactic acid) film in acrylic acid plasma treatment. <i>Applied Surface Science</i> , 2013, 283, 181-187. | 3.1 | 22 |
| 85 | FTIR study of CO adsorbed at low temperature on zeolite L Evidence for an ordered distribution of aluminium atoms. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 189-191. | 1.7 | 21 |
| 86 | SERSâ€active substrates based on silvered porous silicon. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 1736-1739. | 0.8 | 21 |
| 87 | Voltammetric characterization of structural titanium species in zeotypes. <i>Electrochemistry Communications</i> , 2000, 2, 349-352. | 2.3 | 20 |
| 88 | Inter-annual and seasonal variability in PM ₁₀ samples monitored in the city of Turin (Italy) from 2002 to 2005. <i>Microchemical Journal</i> , 2013, 107, 76-85. | 2.3 | 19 |
| 89 | Temporal trends of elements in Turin (Italy) atmospheric particulate matter from 1976 to 2001. <i>Chemosphere</i> , 2013, 90, 2578-2588. | 4.2 | 19 |
| 90 | IR Evidence that Secondary Interactions May Hamper H-Bonding at Protonic Sites in Zeolites. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10518-10522. | 1.2 | 18 |

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|-----|--|-----|-----------|
| 91 | Free carriers reactivation on p+-mesoporous silicon through ammonia adsorption: a FTIR study. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 205-208. | 4.0 | 17 |
| 92 | Self-alignment of liquid crystals in three-dimensional photonic crystals. <i>Physical Review E</i> , 2006, 74, 040702. | 0.8 | 16 |
| 93 | Label-Free SERS Discrimination and In Situ Analysis of Life Cycle in <i>Escherichia coli</i> and <i>Staphylococcus epidermidis</i> . <i>Biosensors</i> , 2018, 8, 131. | 2.3 | 16 |
| 94 | Porous silicon in NO ₂ : A chemisorption mechanism for enhanced electrical conductivity. <i>Physica Status Solidi A</i> , 2003, 197, 103-106. | 1.7 | 15 |
| 95 | Synthesis under Pressure of Potential Precursors of CN _x Materials Based on Melamine and Phenolic Resins. <i>Journal of Macromolecular Science - Physics</i> , 2010, 49, 371-382. | 0.4 | 15 |
| 96 | Post-curing conversion kinetics as functions of the irradiation time and increment thickness. <i>Journal of Applied Oral Science</i> , 2013, 21, 190-195. | 0.7 | 15 |
| 97 | Towards a Deeper Comprehension of the Interaction Mechanisms between Mesoporous Silicon and NO ₂ . <i>Physica Status Solidi A</i> , 2000, 182, 465-471. | 1.7 | 14 |
| 98 | An FTIR Study of Zeolite Theta-1. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1258-1262. | 1.2 | 13 |
| 99 | Chemisorption of NO ₂ at Boron Sites at the Surface of Nanostructured Mesoporous Silicon. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18306-18310. | 1.2 | 12 |
| 100 | Chapter 5.2 EPR characterization of V ₂ O ₅ /TiO ₂ eurocat catalysts. <i>Catalysis Today</i> , 1994, 20, 87-95. | 2.2 | 11 |
| 101 | A new route to the surface functionalisation of porous silicon. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 29-32. | 4.0 | 11 |
| 102 | Free carriers reactivation in mesoporous p-type silicon by ammonia condensation: an FTIR study. <i>Physica Status Solidi A</i> , 2003, 197, 458-461. | 1.7 | 10 |
| 103 | Metal-dielectric nanostructures for amplified Raman and fluorescence spectroscopy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 1196-1199. | 0.8 | 10 |
| 104 | Role of ice structuring proteins on freezing-thawing cycles of pasta sauces. <i>Journal of Food Science and Technology</i> , 2016, 53, 4216-4223. | 1.4 | 10 |
| 105 | Co-ZnO solid solution as a model to investigate the CO ₂ adsorption interaction: an FTIR and HRTEM study. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 4445-4450. | 1.7 | 9 |
| 106 | Controlled light emission from dye-impregnated porous silicon microcavities. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1230-1233. | 1.5 | 9 |
| 107 | New-generation curing units and short irradiation time: the degree of conversion of microhybrid composite resin. <i>Quintessence International</i> , 2011, 42, e89-95. | 0.3 | 9 |
| 108 | ESR Study of Conduction Electrons in B-Doped Porous Silicon Generated by the Adsorption of Lewis Bases. <i>Journal of the Electrochemical Society</i> , 2005, 152, G329. | 1.3 | 8 |

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|-----|---|-----|-----------|
| 109 | Synthesis of amorphous silicon/magnesia based direct opals with tunable optical properties. <i>Optical Materials</i> , 2011, 33, 563-569. | 1.7 | 8 |
| 110 | Switching of fluorescence mediated by a peroxynitrite-glutathione redox reaction in a porous silicon nanoreactor. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5251. | 1.3 | 7 |
| 111 | Innovative Coatings Based on Peppermint Essential Oil on Titanium and Steel Substrates: Chemical and Mechanical Protection Ability. <i>Materials</i> , 2020, 13, 516. | 1.3 | 7 |
| 112 | Thermolysis of mixed alums: a route to mesoporous chromia-alumina. <i>Materials Chemistry and Physics</i> , 1993, 34, 214-218. | 2.0 | 6 |
| 113 | Kinetic modeling of hazelnut drying: Effects of different cultivars and drying parameters. <i>Journal of Food Process Engineering</i> , 2018, 41, e12632. | 1.5 | 6 |
| 114 | Solid state equilibria in the system $\text{Al}_2\text{O}_3\text{-La}_2\text{O}_3\text{-Cr}_2\text{O}_3$: Reactivity catalyst/support. <i>Journal of the European Ceramic Society</i> , 1998, 18, 607-611. | 2.8 | 5 |
| 115 | Boron passivation and its reactivation in mesoporous silicon: a "chemical" model. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 1567-1570. | 0.8 | 5 |
| 116 | Formation and oxygen diffusion barrier properties of fish gelatin/natural sodium montmorillonite clay self-assembled multilayers onto the biopolyester surface. <i>RSC Advances</i> , 2015, 5, 61465-61480. | 1.7 | 5 |
| 117 | Microstructure and optical properties of porous silicon after plasma assisted nitridation. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 1661-1664. | 0.8 | 4 |
| 118 | Surface modification of porous silicon microparticles by sonochemistry. <i>RSC Advances</i> , 2013, 3, 18799. | 1.7 | 4 |
| 119 | New Method for Catalyst Powder Manufacturing Based on Solvent Combustion. <i>Magyar Árvizsgáló és Vizsgáló Lapok</i> , 1999, 56, 1435-1442. | 1.4 | 3 |
| 120 | Propene adsorption and reaction on zeolites and pillared clays. <i>Research on Chemical Intermediates</i> , 1999, 25, 111-129. | 1.3 | 3 |
| 121 | Real-Time Monitoring of the In Situ Microfluidic Synthesis of Ag Nanoparticles on Solid Substrate for Reliable SERS Detection. <i>Biosensors</i> , 2021, 11, 520. | 2.3 | 2 |
| 122 | Evolution of Fe^{3+} from Framework to Extra-Framework Species in Fe-Silicate as a Function of the Template Burning Temperature. <i>European Physical Journal Special Topics</i> , 1997, 7, C2-907-C2-908. | 0.2 | 1 |
| 123 | Carriers reactivation in p+-type porous silicon accompanies hydrogen desorption. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 3193-3197. | 0.8 | 1 |
| 124 | Study of Porous Silicon Nanostructures as Hydrogen Reservoirs.. <i>ChemInform</i> , 2006, 37, no. | 0.1 | 0 |
| 125 | SERS-active Metal-dielectric Nanostructures Integrated in Microfluidic Devices for Ultra-sensitive Label-free miRNA Detection. <i>Procedia Technology</i> , 2017, 27, 37-38. | 1.1 | 0 |