

Simone Mascotto

List of Publications by Year in descending order

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1231
citing authors

#	ARTICLE	IF	CITATIONS
1	Bimetallic Exsolved Heterostructures of Controlled Composition with Tunable Catalytic Properties. ACS Nano, 2022, 16, 8904-8916.	14.6	24
2	Direct Observation of the Xenon Physisorption Process in Mesopores by Combining <i>In Situ</i> Anomalous Small-Angle X-ray Scattering and X-ray Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2021, 12, 4018-4023.	4.6	4
3	Single chamber Solid Oxide Fuel Cells selective electrodes: A real chance with brownmillerite-based nanocomposites. International Journal of Hydrogen Energy, 2021, 46, 14735-14747.	7.1	6
4	Understanding Oxygen Release from Nanoporous Perovskite Oxides and Its Effect on the Catalytic Oxidation of CH ₄ and CO. ACS Applied Materials & Interfaces, 2021, 13, 25483-25492.	8.0	19
5	TiO ₂ containing hybrid nanocomposites with active/passive oxygen scavenging capability. Chemical Engineering Journal, 2021, 417, 129135.	12.7	9
6	Silica hairy nanoparticles: a promising material for self-assembling processes. Soft Matter, 2021, 17, 9434-9446.	2.7	7
7	Nuclear Magnetic Resonance Cryoporometry Study of Solid-Liquid Equilibria in Interconnected Spherical Nanocages. Journal of Physical Chemistry C, 2021, 125, 26916-26926.	3.1	4
8	Pt Nanoparticles Supported on a Mesoporous (La,Sr)(Ti,Fe)O ₃ Solid Solution for the Catalytic Oxidation of CO and CH ₄ . ACS Applied Nano Materials, 2020, 3, 11352-11362.	5.0	10
9	Low-temperature wet chemistry synthetic approaches towards ferrites. Inorganic Chemistry Frontiers, 2020, 7, 3282-3314.	6.0	31
10	Detailed and Direct Observation of Sulfur Crystal Evolution During <i>Operando</i> Analysis of a Li-S Cell with Synchrotron Imaging. Journal of Physical Chemistry Letters, 2020, 11, 5674-5679.	4.6	5
11	A Green Approach for Preparing High-Loaded Sepiolite/Polymer Biocomposites. Nanomaterials, 2019, 9, 46.	4.1	18
12	Surface Reconstruction under the Exposure of Electric Fields Enhances the Reactivity of Donor-Doped SrTiO ₃ . Journal of Physical Chemistry C, 2019, 123, 16883-16892.	3.1	26
13	Enhancement of the SrTiO ₃ Surface Reactivity by Exposure to Electric Fields. ChemNanoMat, 2019, 5, 948-956.	2.8	22
14	Functional Nanostructured Perovskite Oxides from Radical Polymer Precursors. Inorganic Chemistry, 2019, 58, 15942-15952.	4.0	7
15	Template-free mesoporous La _{0.3} Sr _{0.7} Ti _{1-x} Fe _x O ₃ for CH ₄ and CO oxidation catalysis. Applied Catalysis B: Environmental, 2019, 245, 536-545.	20.2	47
16	Severe Loss of Confined Sulfur in Nanoporous Carbon for Li-S Batteries under Wetting Conditions. ACS Energy Letters, 2018, 3, 387-392.	17.4	32
17	Very fast crystallisation of MFe ₂ O ₄ spinel ferrites (M = Co, Mn, Ni, Zn) under low temperature hydrothermal conditions: a time-resolved structural investigation. Green Chemistry, 2018, 20, 2257-2268.	9.0	25
18	Tailoring the Dielectric and Mechanical Properties of Polybutadiene Nanocomposites by Using Designed Ladder-like Polysilsesquioxanes. ACS Applied Nano Materials, 2018, 1, 3817-3828.	5.0	15

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19	Pore geometry effect on the synthesis of silica supported perovskite oxides. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 346-355.	9.4	6
20	Ice Nucleation in Periodic Arrays of Spherical Nanocages. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23788-23792.	3.1	10
21	Cooperative assembly synthesis of mesoporous SrTiO ₃ with enhanced photocatalytic properties. <i>RSC Advances</i> , 2016, 6, 90401-90409.	3.6	19
22	Distribution of Sulfur in Carbon/Sulfur Nanocomposites Analyzed by Small-Angle X-ray Scattering. <i>Langmuir</i> , 2016, 32, 2780-2786.	3.5	36
23	Poly(ionic liquid)-derived nanoporous carbon analyzed by combination of gas physisorption and small-angle neutron scattering. <i>Carbon</i> , 2015, 82, 425-435.	10.3	37
24	Coprecipitation of Oxalates: An Easy and Reproducible Wet-Chemistry Synthesis Route for Transition-Metal Ferrites. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 875-887.	2.0	30
25	Hierarchically Ordered Monolithic Silica with Bimodal Porosity Obtained by Hydrolysis and Condensation of 1,4-Bis(trimethoxysilyl)arenes. <i>Chemie-Ingenieur-Technik</i> , 2013, 85, 1700-1706.	0.8	3
26	Diffusion in Hierarchical Mesoporous Materials: Applicability and Generalization of the Fast-Exchange Diffusion Model. <i>Langmuir</i> , 2012, 28, 3621-3632.	3.5	60
27	Ordered Mesoporous γ -Fe ₂ O ₃ (Hematite) Thin-Film Electrodes for Application in High Rate Rechargeable Lithium Batteries. <i>Small</i> , 2011, 7, 407-414.	10.0	127
28	The effect of hydrothermal treatment on column performance for monolithic silica capillary columns. <i>Journal of Chromatography A</i> , 2011, 1218, 3624-3635.	3.7	32
29	Combined use of XAFS, XRD and TEM to unravel the microstructural evolution of nanostructured ZrO ₂ -SiO ₂ binary oxides: from nanometres down to the molecular domain. <i>CrystEngComm</i> , 2010, 12, 1639.	2.6	19
30	Charakterisierung mesoporöser Materialien mittels Kleinwinkelstreuung (SAXS/SANS). <i>Chemie-Ingenieur-Technik</i> , 2010, 82, 823-828.	0.8	10
31	Adsorption in Periodically Ordered Mesoporous Organosilica Materials Studied by in Situ Small-Angle X-ray Scattering and Small-Angle Neutron Scattering. <i>Langmuir</i> , 2010, 26, 6583-6592.	3.5	31
32	Electrochemical Generation of Thin Silica Films with Hierarchical Porosity. <i>Chemistry of Materials</i> , 2010, 22, 3426-3432.	6.7	48
33	Alkyl chain grafting on silica-zirconia mixed oxides: preparation and characterization. <i>Journal of Materials Chemistry</i> , 2010, 20, 2345.	6.7	5
34	Analysis of Microporosity in Ordered Mesoporous Hierarchically Structured Silica by Combining Physisorption With in Situ Small-Angle Scattering (SAXS and SANS). <i>Langmuir</i> , 2009, 25, 12670-12681.	3.5	51
35	Silica-zirconia mixed oxide samples by an hybrid materials based innovative preparation procedure: Influence of preparation procedure and composition on active sites. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 481-487.	3.1	6
36	Effect of microwave assisted and conventional thermal heating on the evolution of nanostructured inorganic-organic hybrid materials to binary ZrO ₂ -SiO ₂ oxides. <i>Journal of Materials Chemistry</i> , 2007, 17, 4387.	6.7	15