

# Alessandro Longo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6615724/publications.pdf>

Version: 2024-02-01

168  
papers

5,728  
citations

81889

39  
h-index

91872

69  
g-index

173  
all docs

173  
docs citations

173  
times ranked

8892  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-state compatibility of Ca:LaNbO <sub>4</sub> with perovskite cathodes: Evidences from X-ray microspectroscopy. <i>Electrochimica Acta</i> , 2022, 401, 139495.	5.2	2
2	On the effect of metal loading on the reducibility and redox chemistry of ceria supported Pd catalysts. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2387-2395.	2.8	2
3	Electronic modifications in (Ba,La)(Fe,Zn,Y)O <sub>3</sub> unveiled by oxygen K-edge X-ray Raman scattering. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8866-8876.	10.3	7
4	Dynamic Role of Gold d-Orbitals during CO Oxidation under Aerobic Conditions. <i>ACS Catalysis</i> , 2022, 12, 3615-3627.	11.2	9
5	Characterization of Tuna Gelatin-Based Hydrogels as a Matrix for Drug Delivery. <i>Gels</i> , 2022, 8, 237.	4.5	14
6	Multifunctional PLA/Gelatin Bionanocomposites for Tailored Drug Delivery Systems. <i>Pharmaceutics</i> , 2022, 14, 1138.	4.5	7
7	Characterisation of scheelite LaW <sub>0.16</sub> Nb <sub>0.84</sub> O <sub>4.08</sub> ion conductor by combined synchrotron techniques: Structure, W oxidation state and interdiffusion. <i>Journal of Alloys and Compounds</i> , 2021, 857, 157532.	5.5	3
8	Interface dynamics of Pd-CeO <sub>2</sub> single-atom catalysts during CO oxidation. <i>Nature Catalysis</i> , 2021, 4, 469-478.	34.4	244
9	In Situ XAS/SAXS Study of Al <sub>2</sub> O <sub>3</sub> -Coated PtGa Catalysts for Propane Dehydrogenation. <i>ACS Catalysis</i> , 2021, 11, 11320-11335.	11.2	15
10	The rise of X-ray spectroscopies for unveiling the functional mechanisms in batteries. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23445-23465.	2.8	13
11	Identification of the Calcium, Aluminum, and Magnesium Distribution within Millimeter-Sized Extraterrestrial Materials Using Nonresonant X-ray Raman Spectroscopy in Preparation for the Hayabusa2 Sample Return Mission. <i>Analytical Chemistry</i> , 2021, 93, 14651-14658.	6.5	3
12	Data Mining of Polymer Phase Transitions upon Temperature Changes by Small and Wide-Angle X-ray Scattering Combined with Raman Spectroscopy. <i>Polymers</i> , 2021, 13, 4203.	4.5	3
13	Identification of the key steps in the self-assembly of homogeneous gold metal nanoparticles produced using inverse micelles. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18824-18834.	2.8	8
14	Locating and Controlling the Zn Content in In(Zn)P Quantum Dots. <i>Chemistry of Materials</i> , 2020, 32, 557-565.	6.7	40
15	Solid-Solid Interfaces in Protonic Ceramic Devices: A Critical Review. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55537-55553.	8.0	29
16	Copper and silver gas diffusion electrodes performing CO <sub>2</sub> reduction studied through operando X-ray absorption spectroscopy. <i>Catalysis Science and Technology</i> , 2020, 10, 5870-5885.	4.1	13
17	In situ observation of nanolite growth in volcanic melt: A driving force for explosive eruptions. <i>Science Advances</i> , 2020, 6, .	10.3	67
18	X-ray Spectroscopy of (Ba,Sr,La)(Fe,Zn,Y)O <sub>3</sub> Identifies Structural and Electronic Features Favoring Proton Uptake. <i>Chemistry of Materials</i> , 2020, 32, 8502-8511.	6.7	23

#	ARTICLE	IF	CITATIONS
19	Monitoring and quantifying morphological and structural changes in electrode materials under operando conditions. <i>Journal of Power Sources</i> , 2020, 478, 228685.	7.8	5
20	What Makes Fe-Modified MgAl <sub>2</sub> O <sub>4</sub> an Active Catalyst Support? Insight from X-ray Raman Scattering. <i>ACS Catalysis</i> , 2020, 10, 6613-6622.	11.2	21
21	Structure Model for Anion-Disordered Photochromic Gadolinium Oxyhydride Thin Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13541-13549.	3.1	20
22	On the Nature of Charge-Injecting Contacts in Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 30616-30626.	8.0	9
23	Effect of Rh in Ni-based catalysts on sulfur impurities during methane reforming. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118691.	20.2	42
24	Ni-Mn catalysts on silica-modified alumina for CO <sub>2</sub> methanation. <i>Journal of Catalysis</i> , 2020, 382, 358-371.	6.2	70
25	Fabrication of highly ordered Cu <sup>2+</sup> /Fe <sup>3+</sup> decorated polyhedral oligomeric silsesquioxane hybrids: How metal coordination influences structure. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 207-215.	9.4	2
26	Towards Atomically Precise Supported Catalysts from Monolayer-Protected Clusters: The Critical Role of the Support. <i>Chemistry - A European Journal</i> , 2020, 26, 7051-7058.	3.3	25
27	Energy and Environmental Science at ESRF. <i>Synchrotron Radiation News</i> , 2020, 33, 40-51.	0.8	3
28	A real-space approach to the analysis of stacking faults in close-packed metals: <i>r</i> -space modelling and <i>Q</i> -space feedback. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2020, 76, 84-91.	0.1	4
29	Activation of Co <sup>2+</sup> /Mo <sup>6+</sup> S Hydrodesulfurization Catalysts Under Refinery Conditions: A Combined SAXS/XAS Study. <i>ChemCatChem</i> , 2019, 11, 5013-5017.	3.7	13
30	The Origin of High Activity of Amorphous MoS <sub>2</sub> in the Hydrogen Evolution Reaction. <i>ChemSusChem</i> , 2019, 12, 4383-4389.	6.8	90
31	Chemisorption of Anionic Species from the Electrolyte Alters the Surface Electronic Structure and Composition of Photocharged BiVO <sub>4</sub> . <i>Chemistry of Materials</i> , 2019, 31, 7453-7462.	6.7	30
32	Bulk-Sensitive Soft X-ray Edge Probing for Elucidation of Charge Compensation in Battery Electrodes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24396-24403.	3.1	14
33	Chemical Solution Deposition of Ordered 2D Arrays of Room-Temperature Ferrimagnetic Cobalt Ferrite Nanodots. <i>Polymers</i> , 2019, 11, 1598.	4.5	7
34	Effectiveness of Ligand Denticity-Dependent Oxidation Protection in Copper MOD Inks. <i>Langmuir</i> , 2019, 35, 16101-16110.	3.5	7
35	The Origin of High Activity of Amorphous MoS <sub>2</sub> in the Hydrogen Evolution Reaction. <i>ChemSusChem</i> , 2019, 12, 4336-4336.	6.8	2
36	Highly active oxygen evolution reaction model electrode based on supported gas-phase NiFe clusters. <i>Catalysis Today</i> , 2019, 334, 59-67.	4.4	20

#	ARTICLE	IF	CITATIONS
37	<i>In situ</i> X-ray Absorption Near Edge Structure Spectroscopy of a Solid Catalyst using a Laboratory-Based Setup. <i>ChemCatChem</i> , 2019, 11, 1039-1044.	3.7	30
38	<i>Operando</i> EXAFS study reveals presence of oxygen in oxide-derived silver catalysts for electrochemical CO <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2597-2607.	10.3	125
39	<i>Operando</i> X-ray absorption spectra and mass spectrometry data during hydrogenation of ethylene over palladium nanoparticles. <i>Data in Brief</i> , 2019, 24, 103954.	1.0	8
40	X-ray Absorption under Operating Conditions for Solid-Oxide Fuel Cells Electrocatalysts: The Case of LSCF/YSZ. <i>Surfaces</i> , 2019, 2, 32-40.	2.3	3
41	On isothermality in some commonly used plug flow reactors for X-ray based investigations of catalysts. <i>Catalysis Science and Technology</i> , 2019, 9, 3081-3089.	4.1	20
42	Elucidating the <i>Edge</i> X-ray Absorption Near-Edge Structure of Cobalt Carbide. <i>ChemCatChem</i> , 2019, 11, 3042-3045.	3.7	16
43	Facile Green Route to Ni/Co Oxide Nanoparticle Embedded 3D Graphitic Carbon Nanosheets for High Performance Hybrid Supercapacitor Devices. <i>ACS Applied Energy Materials</i> , 2019, 2, 3389-3399.	5.1	75
44	Interface Solid-State Reactions in La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> /Ce <sub>0.8</sub> Sm <sub>0.2</sub> O <sub>2</sub> and La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> /BaCe <sub>0.9</sub> Y <sub>0.1</sub> O <sub>3</sub> Disclosed by X-ray Microspectroscopy. <i>ACS Applied Energy Materials</i> , 2019, 2, 3204-3210.	5.1	18
45	The role of palladium carbides in the catalytic hydrogenation of ethylene over supported palladium nanoparticles. <i>Catalysis Today</i> , 2019, 336, 40-44.	4.4	29
46	Iron and lithium-iron alkyl phosphates as nanostructured material for rechargeable batteries. <i>Materials Letters</i> , 2018, 220, 58-61.	2.6	4
47	Confinement of Highly Luminescent Lead Clusters in Zeolite A. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13953-13961.	3.1	24
48	The Effect of Ni Doping on the Performance and Electronic Structure of LSCF Cathodes Used for IT-SOFCs. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1003-1013.	3.1	19
49	Polycapillary Optics Based Confocal Micro X-ray Fluorescence and X-ray Absorption Spectroscopy Setup at The European Synchrotron Radiation Facility Collaborative Research Group Dutch-Belgian Beamline, BM26A. <i>Analytical Chemistry</i> , 2018, 90, 2389-2394.	6.5	12
50	Insight in kinetics from pre-edge features using time resolved <i>in situ</i> XAS. <i>AIChE Journal</i> , 2018, 64, 1339-1349.	3.6	13
51	Understanding the Importance of Cu(I) Intermediates in Self-Reducing Molecular Inks for Flexible Electronics. <i>Inorganic Chemistry</i> , 2018, 57, 15205-15215.	4.0	16
52	Insights into the Synthesis Mechanism of Ag <sub>29</sub> Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28351-28361.	3.1	22
53	Tuning and Probing the Distribution of Cu <sup>+</sup> and Cu <sup>2+</sup> Trap States Responsible for Broad-Band Photoluminescence in CuInS <sub>2</sub> Nanocrystals. <i>ACS Nano</i> , 2018, 12, 11244-11253.	14.6	56
54	Fe-Containing Magnesium Aluminate Support for Stability and Carbon Control during Methane Reforming. <i>ACS Catalysis</i> , 2018, 8, 5983-5995.	11.2	66

#	ARTICLE	IF	CITATIONS
55	Dynamic Behavior of Pd/P4VP Catalyst during the Aerobic Oxidation of 2-Propanol: A Simultaneous SAXS/XAS/MS Operando Study. <i>ACS Catalysis</i> , 2018, 8, 6870-6881.	11.2	13
56	Near-complete suppression of surface losses and total internal quantum efficiency in BiVO <sub>4</sub> photoanodes. <i>Energy and Environmental Science</i> , 2017, 10, 1517-1529.	30.8	159
57	Covalent and Ionic Functionalization of HLN Layered Perovskite by Sonochemical Methods. <i>Inorganic Chemistry</i> , 2017, 56, 645-653.	4.0	5
58	Defect interaction and local structural distortions in Mg-doped LaGaO <sub>3</sub> : A combined experimental and theoretical study. <i>Journal of Chemical Physics</i> , 2017, 147, 144702.	3.0	4
59	On the Dimensional Control of 2D Hybrid Nanomaterials. <i>Chemistry - A European Journal</i> , 2017, 23, 12534-12541.	3.3	4
60	Cation Diffusion and Segregation at the Interface between Samarium-Doped Ceria and LSCF or LSFCu Cathodes Investigated with X-ray Microspectroscopy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44466-44477.	8.0	19
61	Metal-hydrogen systems with an exceptionally large and tunable thermodynamic destabilization. <i>Nature Communications</i> , 2017, 8, 1846.	12.8	47
62	Formation and growth of palladium nanoparticles inside porous poly(4-vinyl-pyridine) monitored by operando techniques: The role of different reducing agents. <i>Catalysis Today</i> , 2017, 283, 144-150.	4.4	8
63	Validation of EXAFS Analysis of Iridium Compounds. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012059.	0.4	1
64	Pd nanoparticles formation inside porous polymeric scaffolds followed by <i>in situ</i> XANES/SAXS. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012039.	0.4	1
65	Structure of Nano-sized CeO <sub>2</sub> Materials: Combined Scattering and Spectroscopic Investigations. <i>ChemPhysChem</i> , 2016, 17, 3494-3503.	2.1	20
66	Early stages of catalyst aging in the iridium mediated water oxidation reaction. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10931-10940.	2.8	14
67	Computational (DFT) and Experimental (EXAFS) Study of the Interaction of [Ir(IMes)(H) <sub>2</sub> (L) <sub>3</sub> ] with Substrates and Co-substrates Relevant for SABRE in Dilute Systems. <i>Chemistry - A European Journal</i> , 2015, 21, 10482-10489.	3.3	15
68	The Pyridyl Functional Groups Guide the Formation of Pd Nanoparticles Inside A Porous Poly(4-Vinylpyridine). <i>ChemCatChem</i> , 2015, 7, 2188-2195.	3.7	15
69	Dopant Clusterization and Oxygen Coordination in Ta-Doped Bismuth Oxide: A Structural and Computational Insight into the Mechanism of Anion Conduction. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26367-26373.	3.1	10
70	In Situ Observation of Active Oxygen Species in Fe-Containing Ni-Based Oxygen Evolution Catalysts: The Effect of pH on Electrochemical Activity. <i>Journal of the American Chemical Society</i> , 2015, 137, 15112-15121.	18.7	459
71	Induced Chirality in Confined Space on Halogen Gold Complexes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18798-18807.	3.1	3
72	Electrode-Electrolyte Compatibility in Solid-Oxide Fuel Cells: Investigation of the LSM-LNC Interface with X-ray Microspectroscopy. <i>Chemistry of Materials</i> , 2015, 27, 2763-2766.	6.7	17

#	ARTICLE	IF	CITATIONS
73	Synchrotron Radiation and Chemistry: Studies of Materials for Renewable Energy Sources. , 2015, , 697-715.		0
74	Structure and Oxide Ion Conductivity: Local Order, Defect Interactions and Grain Boundary Effects in Acceptor-Doped Ceria. Chemistry of Materials, 2014, 26, 5994-6006.	6.7	60
75	Nickel(ii), copper(ii) and zinc(ii) metallo-intercalators: structural details of the DNA-binding by a combined experimental and computational investigation. Dalton Transactions, 2014, 43, 6108.	3.3	79
76	Influence of metalâ€‘support interaction on the surface structure of gold nanoclusters deposited on native SiOx/Si substrates. Physical Chemistry Chemical Physics, 2014, 16, 6649.	2.8	25
77	Effect of Pre-Reduction on the Properties and the Catalytic Activity of Pd/Carbon Catalysts: A Comparison with Pd/Al <sub>2</sub> O <sub>3</sub> . ACS Catalysis, 2014, 4, 187-194.	11.2	62
78	Morphology and local organization of water-containing (1R,2S)-dodecyl(2-hydroxy-1-methyl-2-phenylethyl)dimethylammonium bromide reverse micelles dispersed in toluene. Journal of Chemical Physics, 2014, 141, 084904.	3.0	2
79	LaFeO <sub>3</sub> -based nanopowders prepared by a softâ€‘hard templating approach: the effect of silica texture. Journal of Materials Chemistry A, 2014, 2, 8438-8447.	10.3	17
80	X-ray irradiation induced reduction and nanoclustering of lead in borosilicate glass. CrystEngComm, 2014, 16, 9331-9339.	2.6	23
81	Crossing the boundary between face-centred cubic and hexagonal close packed: the structure of nanosized cobalt is unraveled by a model accounting for shape, size distribution and stacking faults, allowing simulation of XRD, XANES and EXAFS. Journal of Applied Crystallography, 2014, 47, 1562-1568.	4.5	28
82	Palladium local structure of La <sub>1-x</sub> Sr <sub>x</sub> Co <sub>1-y</sub> Fe <sub>y</sub> ~0.03Pd0.03O <sub>3</sub> ~Î perovskites synthesized using a one pot citrate method. Physical Chemistry Chemical Physics, 2014, 16, 22677-22686.	2.8	39
83	Full-Field Fluorescence Mode Micro-XANES Imaging Using a Unique Energy Dispersive CCD Detector. Analytical Chemistry, 2014, 86, 8791-8797.	6.5	18
84	Formation and Growth of Pd Nanoparticles Inside a Highly Cross-Linked Polystyrene Support: Role of the Reducing Agent. Journal of Physical Chemistry C, 2014, 118, 8406-8415.	3.1	37
85	CERIA-BASED CATALYSTS FOR AIR POLLUTION ABATEMENT. Catalytic Science Series, 2013, , 813-879.	0.0	0
86	Small-Angle X-Ray Scattering for the Study of Nanostructures and Nanostructured Materials. , 2013, , 175-228.		2
87	Structure of the Metalâ€‘Support Interface and Oxidation State of Gold Nanoparticles Supported on Ceria. Journal of Physical Chemistry C, 2012, 116, 2960-2966.	3.1	44
88	Effect of reduction in liquid phase on the properties and the catalytic activity of Pd/Al <sub>2</sub> O <sub>3</sub> catalysts. Journal of Catalysis, 2012, 287, 44-54.	6.2	62
89	Structural analysis, phase stability and electrochemical characterization of Nb doped BaCe <sub>0.9</sub> Y <sub>0.1</sub> O <sub>3-x</sub> electrolyte for IT-SOFCs. Journal of Power Sources, 2012, 199, 201-206.	7.8	33
90	Structural Characterization of Surfactant-Coated Bimetallic Cobalt/Nickel Nanoclusters by XPS, EXAFS, WAXS, and SAXS. Journal of Physical Chemistry C, 2011, 115, 6360-6366.	3.1	39

#	ARTICLE	IF	CITATIONS
91	Crystal Structure and Local Dynamics in Tetrahedral Proton-Conducting $\text{La}_{1-x}\text{Ba}_x\text{GaO}_4$ . <i>Journal of Physical Chemistry C</i> , 2011, 115, 298-304.	3.1	12
92	Long-Range and Short-Range Structure of Proton-Conducting $\text{Y:BaZrO}_3$ . <i>Chemistry of Materials</i> , 2011, 23, 2994-3002.	6.7	93
93	Charge interaction of low generation dendrimers during zeolite formation. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 771-774.	3.1	2
94	SAXS study on myoglobin embedded in amorphous saccharide matrices. <i>European Physical Journal E</i> , 2011, 34, 87.	1.6	15
95	Synthesis, chemical characterization and preliminary in vitro antitumor activity evaluation of new ruthenium(II) complexes with sugar derivatives. <i>Polyhedron</i> , 2011, 30, 1671-1679.	2.2	5
96	Proteins in Amorphous Saccharides: Structural and Dynamical Insights on Bioprotection. , 2011, , 66-78.		0
97	Interaction of Gold with Co-Condensed and Grafted HMS-SH Silica: A $^{29}\text{Si}$ {1H} CP-MAS NMR Spectroscopy, XRD, XPS and Au LIII EXAFS Study. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3628-3635.	2.0	6
98	Novel transformations amongst mesostructured VPO phases synthesized through surfactant assisted organization from an exfoliated solution of $\text{VOPO}_4 \cdot 2\text{H}_2\text{O}$ . <i>Microporous and Mesoporous Materials</i> , 2010, 128, 213-222.	4.4	12
99	Microstructure and magnetic properties of colloidal cobalt nano-clusters. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3565-3571.	2.3	11
100	Dopants and defects: Local structure and dynamics in barium cerates and zirconates. <i>Solid State Ionics</i> , 2010, 181, 122-125.	2.7	36
101	Porous nanoparticles formation using a dendrimer template. <i>Spectroscopy</i> , 2010, 24, 427-431.	0.8	0
102	Magnetic properties of colloidal cobalt nanoclusters. <i>Journal of Physics: Conference Series</i> , 2010, 200, 072100.	0.4	0
103	Structure and the Metal Support Interaction of the Au/Mn Oxide Catalysts. <i>Chemistry of Materials</i> , 2010, 22, 3952-3960.	6.7	58
104	Myoglobin embedded in saccharide amorphous matrices: water-dependent domains evidenced by small angle X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6852.	2.8	22
105	Combined small-angle x-ray scattering/extended x-ray absorption fine structure study of coated Co nanoclusters in bis(2-ethylhexyl)sulfosuccinate. <i>Journal of Applied Physics</i> , 2009, 105, 114308.	2.5	8
106	Alumina supported Pt(1%)/Ce <sub>0.6</sub> Zr <sub>0.4</sub> O <sub>2</sub> monolith: Remarkable stabilization of ceria/zirconia solution towards CeAlO <sub>3</sub> formation operated by Pt under redox conditions. <i>Applied Catalysis B: Environmental</i> , 2009, 90, 470-477.	20.2	35
107	Dopant-Host Oxide Interaction and Proton Mobility in $\text{Gd:BaCeO}_3$ . <i>Chemistry of Materials</i> , 2009, 21, 597-603.	6.7	27
108	Dendrimer Template Directed Self-Assembly during Zeolite Formation. <i>Macromolecules</i> , 2009, 42, 1239-1243.	4.8	22

#	ARTICLE	IF	CITATIONS
109	Proton Dynamics in In:BaZrO <sub>3</sub> : Insights on the Atomic and Electronic Structure from X-ray Absorption Spectroscopy. <i>Chemistry of Materials</i> , 2009, 21, 2641-2649.	6.7	45
110	Protein stability modulated by a conformational effector: effects of trifluoroethanol on bovine serum albumin. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4007.	2.8	46
111	Spectroscopic and Structural Investigation of the Confinement of $\text{d}^0$ and $\text{d}^1$ Dimethyl Tartrate in Lecithin Reverse Micelles. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3024-3033.	2.6	28
112	Effect of the capping agents on cobalt nanoparticles. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012125.	0.4	1
113	Local structure of gallate proton conductors. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012077.	0.4	2
114	Distorted f.c.c. arrangement of gold nanoclusters: a model of spherical particles with microstrains and stacking faults. <i>Journal of Applied Crystallography</i> , 2008, 41, 446-455.	4.5	33
115	Support effect on the catalytic performance of Au/Co <sub>3</sub> O <sub>4</sub> @CeO <sub>2</sub> catalysts for CO and CH <sub>4</sub> oxidation. <i>Catalysis Today</i> , 2008, 139, 174-179.	4.4	69
116	Confinement effects on the interaction of native DNA with Cu(II)-5-(triethylammoniummethyl)salicylidene ortho-phenylendiiminate in C12E4 liquid crystals. <i>Dalton Transactions</i> , 2008, , 4172.	3.3	14
117	Physicochemical Investigation of Nanostructures in Liquid Phases: Ytterbium Nitrate Ionic Clusters Confined in Ytterbium Bis(2-ethylhexyl) Sulfosuccinate Reversed Micelles and Liquid Crystals. <i>Chemistry of Materials</i> , 2007, 19, 1127-1133.	6.7	8
118	Study of Confined 5-Aza[5]helicene in Ytterbium(III) Bis(2-ethylhexyl) Sulfosuccinate Reversed Micelles. <i>Journal of Physical Chemistry B</i> , 2007, 111, 4089-4097.	2.6	8
119	Structural Characterization of Frozen <i>n</i> -Heptane Solutions of Metal-Containing Reverse Micelles. <i>Langmuir</i> , 2007, 23, 11482-11487.	3.5	18
120	Indium Doping in Barium Cerate: the Relation between Local Symmetry and the Formation and Mobility of Protonic Defects. <i>Chemistry of Materials</i> , 2007, 19, 5714-5720.	6.7	74
121	Local environment of Barium, Cerium and Yttrium in BaCe <sub>1-x</sub> Y <sub>x</sub> O <sub>3</sub> ceramic protonic conductors. <i>Solid State Ionics</i> , 2007, 178, 587-591.	2.7	45
122	Small-angle energy-dispersive X-ray scattering using a laboratory-based diffractometer with a conventional source. <i>Journal of Applied Crystallography</i> , 2007, 40, 218-231.	4.5	4
123	Large size fibrillar bundles of the Alzheimer amyloid $\beta$ -protein. <i>European Biophysics Journal</i> , 2007, 36, 701-709.	2.2	13
124	Structural Features of meso-Tetrakis(4-carboxyphenyl)porphyrin Interacting with Amino-Terminated Poly(propylene oxide). <i>Macromolecules</i> , 2006, 39, 5489-5496.	4.8	28
125	Metal Support Interaction and Redox Behavior of Pt(1 wt %)/Ce <sub>0.6</sub> Zr <sub>0.4</sub> O <sub>2</sub> . <i>Journal of Physical Chemistry B</i> , 2006, 110, 8731-8739.	2.6	29
126	Local Environment of Yttrium in Y-Doped Barium Cerate Compounds. <i>Chemistry of Materials</i> , 2006, 18, 5782-5788.	6.7	46



#	ARTICLE	IF	CITATIONS
127	XPS study of supported gold catalysts: the role of Au <sup>0</sup> and Au <sup>+</sup> species as active sites. <i>Surface and Interface Analysis</i> , 2006, 38, 215-218.	1.8	435
128	Metal-support and preparation influence on the structural and electronic properties of gold catalysts. <i>Applied Catalysis A: General</i> , 2006, 302, 309-316.	4.3	83
129	Interactions of $\alpha$ -tocopherol with biomembrane models: Binding to dry lecithin reversed micelles. <i>International Journal of Pharmaceutics</i> , 2006, 312, 96-104.	5.2	13
130	Sulphonated poly(ether ether ketone) membranes for fuel cell application: Thermal and structural characterisation. <i>Journal of Power Sources</i> , 2006, 163, 18-26.	7.8	122
131	Cerium effect on the phase structure, phase stability and redox properties of Ce-doped strontium ferrates. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3406-3419.	2.9	57
132	Structural and electrochemical investigation on re-cast Nafion membranes for polymer electrolyte fuel cells (PEFCs) application. <i>Journal of Membrane Science</i> , 2006, 278, 105-113.	8.2	59
133	Physicochemical investigation of the solubilization of ytterbium nitrate in AOT reverse micelles and liquid crystals. <i>Colloid and Polymer Science</i> , 2006, 284, 1085-1095.	2.1	7
134	Synthesis and physico-chemical characterization of gold nanoparticles softly coated by AOT. <i>Materials Chemistry and Physics</i> , 2006, 96, 66-72.	4.0	30
135	Physicochemical investigation of surfactant-coated gold nanoparticles synthesized in the confined space of dry reversed micelles. <i>Materials Chemistry and Physics</i> , 2006, 98, 494-499.	4.0	40
136	A new cell for the study of in situ chemical reactions using X-ray absorption spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 499-505.	2.4	13
137	Relationship between Structure and CO Oxidation Activity of Ceria-Supported Gold Catalysts. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2821-2827.	2.6	272
138	Energy-dispersive small-angle x-ray scattering for investigating polymer morphology: Static and time-resolved experiments. <i>Applied Physics Letters</i> , 2004, 85, 4798-4800.	3.3	3
139	Influence of the SMSI effect on the catalytic activity of a Pt(1%)/Ce <sub>0.6</sub> Zr <sub>0.4</sub> O <sub>2</sub> catalyst: SAXS, XRD, XPS and TPR investigations. <i>Applied Catalysis B: Environmental</i> , 2004, 48, 133-149.	20.2	93
140	Physicochemical investigation of cobalt/iron cyanide nanoparticles synthesized by a novel solid/solid reaction in confined space. <i>Colloid and Polymer Science</i> , 2004, 283, 265-276.	2.1	9
141	On the use of grazing-incidence small-angle X-ray scattering (GISAXS) in the morphological study of ion-implanted materials. <i>Journal of Synchrotron Radiation</i> , 2004, 11, 272-277.	2.4	6
142	Structural evolution of Pt/ceria-zirconia TWC catalysts during the oxidation of carbon monoxide. <i>Journal of Solid State Chemistry</i> , 2004, 177, 1268-1275.	2.9	22
143	Physico-Chemical Investigation of the State of Cyanamide Confined in AOT and Lecithin Reversed Micelles. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8260-8268.	2.6	28
144	Structural and morphological properties of Co-La catalysts supported on alumina/lanthana for hydrocarbon oxidation. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 620-623.	3.1	6

#	ARTICLE	IF	CITATIONS
145	Structural Properties of Nonionic Cyclodextrin Colloids in Water. <i>Langmuir</i> , 2004, 20, 1057-1064.	3.5	51
146	Structure and dynamics of water confined in silica hydrogels: X-ray scattering and dielectric spectroscopy studies. <i>European Physical Journal E</i> , 2003, 12, 63-66.	1.6	37
147	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 235-240.	2.4	15
148	Physicochemical investigation of the solubilization of cobalt nitrate in sodium bis(2-ethylhexyl)sulfosuccinate reversed micelles. <i>Colloid and Polymer Science</i> , 2003, 281, 229-238.	2.1	18
149	Silver nanocluster formation in ion-exchanged glasses by annealing, ion beam and laser beam irradiation: An EXAFS study. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2003, 200, 185-190.	1.4	37
150	EXAFS study of ceria-lanthana-based TWC promoters prepared by sol-gel routes. <i>Journal of Solid State Chemistry</i> , 2003, 175, 289-298.	2.9	14
151	Effects of redox treatments on the structural composition of a ceria-zirconia oxide for application in the three-way catalysis. <i>Applied Catalysis A: General</i> , 2003, 240, 295-307.	4.3	87
152	Grazing-incidence small-angle X-ray scattering and X-ray diffraction from magnetic clusters obtained by Co + Ni sequential ion implantation in silica. <i>Journal of Applied Crystallography</i> , 2003, 36, 732-735.	4.5	6
153	Time-resolved X-ray powder diffraction on a three-way catalyst at the GILDA beamline. <i>Journal of Synchrotron Radiation</i> , 2003, 10, 177-182.	2.4	16
154	Synthesis of Ultra-small ZnS Nanoparticles by Solid-Solid Reaction in the Confined Space of AOT Reversed Micelles. <i>Journal of Physical Chemistry B</i> , 2003, 107, 25-30.	2.6	85
155	Physicochemical Investigation of Lightfast AgCl and AgBr Nanoparticles Synthesized by a Novel Solid-Solid Reaction. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6724-6729.	2.6	55
156	Double implantation in silica glass for metal cluster composite formation: a study by synchrotron radiation techniques. <i>Journal of Non-Crystalline Solids</i> , 2001, 280, 241-248.	3.1	26
157	EXAFS and XRD study of Pd-Ag bimetallic catalysts supported on pumice from organometallic precursors. <i>Journal of Non-Crystalline Solids</i> , 2001, 293-295, 682-687.	3.1	8
158	Preparation and characterisation of Na <sub>2</sub> S and ZnSO <sub>4</sub> nanoparticles in water/sodium bis(2-ethylhexyl)sulphosuccinate/n-heptane microemulsions. <i>Colloid and Polymer Science</i> , 2001, 279, 1112-1117.	2.1	38
159	Treatment of grazing-incidence small-angle X-ray scattering data taken above the critical angle. <i>Journal of Applied Crystallography</i> , 2001, 34, 152-156.	4.5	4
160	Liquid phase selective oxidation of benzyl alcohol over Pd-Ag catalysts supported on pumice. <i>Catalysis Today</i> , 2001, 66, 271-276.	4.4	86
161	Effect of Alkali Ions on the Amorphous to Crystalline Phase Transition of Silica. <i>Journal of Solid State Chemistry</i> , 2001, 161, 373-378.	2.9	72
162	GISAXS study of Cu-Ni alloy clusters obtained by double ion implantation in silicate glasses. <i>Journal of Applied Crystallography</i> , 2000, 33, 740-743.	4.5	23

#	ARTICLE	IF	CITATIONS
163	Structural characterization of Pd-Ag and Pd-Cu bimetallic catalysts by means of EXAFS, WAXS and XPS. Studies in Surface Science and Catalysis, 2000, , 3207-3212.	1.5	1
164	Structural characterization of pumice-supported silver-palladium metal clusters by means of XAFS and AWAXS. European Physical Journal D, 1999, 7, 89-97.	1.3	15
165	Structural characterization of Rh/pumice SMAD catalysts. European Physical Journal D, 1999, 7, 577-586.	1.3	6
166	Physico-chemical characterization of Pd nanoparticles synthesized in w/o microemulsions. Materials Science and Engineering C, 1998, 6, 7-11.	7.3	9
167	Structure of natural water-containing glasses from Lipari (Italy) and Eastern Rhodopes (Bulgaria): SAXS, WAXS and IR studies. Journal of Non-Crystalline Solids, 1998, 232-234, 547-553.	3.1	19
168	Trimetallic Catalyst Configuration for Syngas Production. ChemCatChem, 0, , .	3.7	1