

ValÃ©rie Briois

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6306213/publications.pdf>

Version: 2024-02-01

34
papers

1,239
citations

394421

19
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

1383
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural suspended particulate matter (SPM) versus lab-controlled particles: Comparison of the reactivity and association mode of Zn. <i>Applied Geochemistry</i> , 2022, 140, 105286.	3.0	1
2	Advanced design of a x-ray absorption spectroscopy setup for measuring transition metals speciation in molten carbonates, hydroxides and hydrogenosulfates. <i>Review of Scientific Instruments</i> , 2022, 93, .	1.3	2
3	First in situ temperature quantification of CoMoS species upon gas sulfidation enabled by new insight on cobalt sulfide formation. <i>Catalysis Today</i> , 2021, 377, 114-126.	4.4	13
4	Sol-gel synthesis of nanocrystalline MgO and its application as support in Ni/MgO catalysts for ethanol steam reforming. <i>Applied Surface Science</i> , 2021, 542, 148744.	6.1	21
5	Study of hydrotreating performance of trimetallic NiMoW/Al ₂ O ₃ catalysts prepared from mixed MoW Keggin heteropolyanions with various Mo/W ratios. <i>Journal of Catalysis</i> , 2021, 403, 141-159.	6.2	8
6	ASAXS study of the influence of sulfidation conditions and organic additives on sulfide slabs multiscale organization. <i>Journal of Catalysis</i> , 2021, 395, 412-424.	6.2	7
7	Insights into the Preparation of Copper Catalysts Supported on Layered Double Hydroxide Derived Mixed Oxides for Ethanol Dehydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26001-26012.	8.0	19
8	Bismuth mobile promoter and cobalt-bismuth nanoparticles in carbon nanotube supported Fischer-Tropsch catalysts with enhanced stability. <i>Journal of Catalysis</i> , 2021, 401, 102-114.	6.2	9
9	Genesis of active phase in MoW/Al ₂ O ₃ hydrotreating catalysts monitored by HAADF and in situ QEXAFS combined to MCR-ALS analysis. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118766.	20.2	13
10	Quick-EXAFS and Raman monitoring of activation, reaction and deactivation of NiCu catalysts obtained from hydrotalcite-like precursors. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18835-18848.	2.8	8
11	ROCK: A Beamline Tailored for Catalysis and Energy-Related Materials from ms Time Resolution to Åµm Spatial Resolution. <i>Synchrotron Radiation News</i> , 2020, 33, 20-25.	0.8	24
12	Multivariate Analysis of Coupled Operando EPR/XANES/EXAFS/LIVâ€“Vis/ATRâ€“IR Spectroscopy: A New Dimension for Mechanistic Studies of Catalytic Gasâ€“Liquid Phase Reactions. <i>Chemistry - A European Journal</i> , 2020, 26, 7395-7404.	3.3	15
13	Exploring the catalytic performance of a series of bimetallic MIL-100(Fe, Ni) MOFs. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20285-20292.	10.3	69
14	High pressure cell for edge jumping X-ray absorption spectroscopy: Applications to industrial liquid sulfidation of hydrotreatment catalysts. <i>Catalysis Today</i> , 2019, 336, 63-73.	4.4	54
15	Operando monitoring of metal sites and coke evolution during non-oxidative and oxidative ethanol steam reforming over Ni and NiCu ex-hydrotalcite catalysts. <i>Catalysis Today</i> , 2019, 336, 122-130.	4.4	27
16	Thermal stability of PMMAâ€“LDH nanocomposites: decoupling the physical barrier, radical trapping, and charring contributions using XAS/WAXS/Raman time-resolved experiments. <i>RSC Advances</i> , 2018, 8, 34670-34681.	3.6	9
17	<i>Operando</i> XAS/Raman/MS monitoring of ethanol steam reforming reactionâ€“regeneration cycles. <i>Catalysis Science and Technology</i> , 2018, 8, 6297-6301.	4.1	17
18	Molecular approach to prepare mixed MoW alumina supported hydrotreatment catalysts using H₄SiMo_nW₁₂O₄₀ heteropolyacids. <i>Catalysis Science and Technology</i> , 2018, 8, 5557-5572.	4.1	20

#	ARTICLE	IF	CITATIONS
19	Sulphidation study of a dried Ni/Al ₂ O ₃ catalyst by time-resolved XAS-MS combined with <i>in situ</i> Raman spectroscopy and multivariate Quick-XAS data analysis. <i>Journal of Lithic Studies</i> , 2017, 3, 33-42.	0.5	10
20	Correlation of Sol-Gel Alumina-Supported Cobalt Catalyst Processing to Cobalt Speciation, Ethanol Steam Reforming Activity, and Stability. <i>ChemCatChem</i> , 2017, 9, 3918-3929.	3.7	21
21	ROCK: the new Quick-EXAFS beamline at SOLEIL. <i>Journal of Physics: Conference Series</i> , 2016, 712, 012149.	0.4	111
22	Co-K and Mo-K edges Quick-XAS study of the sulphidation properties of Mo/Al ₂ O ₃ and CoMo/Al ₂ O ₃ catalysts. <i>Comptes Rendus Chimie</i> , 2016, 19, 1337-1351.	0.5	57
23	Correlation between Structural and Catalytic Properties of Copper Supported on Porous Alumina for the Ethanol Dehydrogenation Reaction. <i>ChemCatChem</i> , 2015, 7, 1668-1677.	3.7	46
24	Speciation of Ruthenium as a Reduction Promoter of Silica-Supported Co Catalysts: A Time-Resolved <i>In Situ</i> XAS Investigation. <i>ACS Catalysis</i> , 2015, 5, 1273-1282.	11.2	76
25	Influence of the Preparation Conditions of Oxidic NiMo/Al ₂ O ₃ Catalysts on the Sulfidation Ability: A Quick-XAS and Raman Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23928-23942.	3.1	35
26	Effect of the balance between Co(II) and Co(0) oxidation states on the catalytic activity of cobalt catalysts for Ethanol Steam Reforming. <i>Catalysis Today</i> , 2014, 229, 88-94.	4.4	50
27	Multivariate curve resolution analysis applied to time-resolved synchrotron X-ray Absorption Spectroscopy monitoring of the activation of copper alumina catalyst. <i>Catalysis Today</i> , 2014, 229, 114-122.	4.4	108
28	Quick-XAS and Raman operando characterisation of a cobalt alumina-supported catalyst under realistic Fischer-Tropsch reaction conditions. <i>Catalysis Today</i> , 2013, 205, 94-100.	4.4	25
29	Polymer-clay nanocomposites thermal stability: experimental evidence of the radical trapping effect. <i>RSC Advances</i> , 2013, 3, 22830.	3.6	32
30	X-ray absorption spectroscopy and heterogeneous catalysis: Performances at the SOLEIL's SAMBA beamline. <i>Catalysis Today</i> , 2013, 205, 148-158.	4.4	78
31	XAS/WAXS Time-Resolved Phase Speciation of Chlorine LDH Thermal Transformation: Emerging Roles of Isovalent Metal Substitution. <i>Chemistry of Materials</i> , 2013, 25, 2855-2867.	6.7	52
32	The SAMBA quick-EXAFS monochromator: XAS with edge jumping. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 417-424.	2.4	76
33	Cationic Order and Structure of [Zn ²⁺ Cr ³⁺ Cl] and [Cu ²⁺ Cr ³⁺ Cl] Layered Double Hydroxides: A XRD and EXAFS Study. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5915-5923.	2.6	117
34	X-ray absorption spectroscopy of manganese, cobalt, copper and zinc inorganic salts of tetrathiafulvalene and bis(ethylenedithio)tetrathiafulvalene. <i>Chemistry of Materials</i> , 1992, 4, 484-493.	6.7	9