Massimo Migliori

List of Publications by Year
in descending order

83	2,227	172457	233421
papers	citations	29 h-index	45 g-index

86	86	86	2145
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CO2 Recycling to Dimethyl Ether: State-of-the-Art and Perspectives. Molecules, 2018, 23, 31.	3.8	133
2	Stepwise tuning of metal-oxide and acid sites of CuZnZr-MFI hybrid catalysts for the direct DME synthesis by CO2 hydrogenation. Applied Catalysis B: Environmental, 2015, 176-177, 522-531.	20.2	119
3	Direct CO 2 -to-DME hydrogenation reaction: New evidences of a superior behaviour of FER-based hybrid systems to obtain high DME yield. Journal of CO2 Utilization, 2017, 18, 353-361.	6.8	101
4	Hierarchical Low Si/Al Ratio Ferrierite Zeolite by Sequential Postsynthesis Treatment: Catalytic Assessment in Dehydration Reaction of Methanol. Journal of Chemistry, 2019, 2019, 1-9.	1.9	95
5	Dimethyl ether synthesis via methanol dehydration: Effect of zeolite structure. Applied Catalysis A: General, 2015, 502, 215-220.	4.3	86
6	The role of acid sites induced by defects in the etherification of HMF on Silicalite-1 catalysts. Journal of Catalysis, 2015, 330, 558-568.	6.2	72
7	Acidity control of zeolite functionality on activity and stability of hybrid catalysts during DME production via CO2 hydrogenation. Journal of CO2 Utilization, 2018, 24, 398-406.	6.8	71
8	Biogas upgrading via membrane process: Modelling of pilot plant scale and the end uses for the grid injection. Fuel, 2013, 107, 585-592.	6.4	68
9	Catalytic features of CuZnZrâ€“zeolite hybrid systems for the direct CO2-to-DME hydrogenation reaction. Catalysis Today, 2016, 277, 48-54.	4.4	68
10	Catalytic application of ferrierite nanocrystals in vapour-phase dehydration of methanol to dimethyl ether. Applied Catalysis B: Environmental, 2019, 243, 273-282.	20.2	65
11	Characterisation of dairy emulsions by NMR and rheological techniques. Food Hydrocolloids, 2009, 23, 619-628.	10.7	58
12	From 1-D to 3-D zeolite structures: performance assessment in catalysis of vapour-phase methanol dehydration to DME. Microporous and Mesoporous Materials, 2017, 243, 102-111.	4.4	54
13	Kinetic Analysis of Methanol to Dimethyl Ether Reaction over H-MFI Catalyst. Industrial & Engineering Chemistry Research, 2014, 53, 14885-14891.	3.7	47
14	Interaction effects between CuO-ZnO-ZrO2 methanol phase and zeolite surface affecting stability of hybrid systems during one-step CO2 hydrogenation to DME. Catalysis Today, 2020, 345, 175-182.	4.4	47
15	Municipal waste leachate conversion via catalytic supercritical water gasification process. Fuel, 2017, 206, 155-161.	6.4	44
16	Ferrierite vs. Î³-Al2O3: The superiority of zeolites in terms of water-resistance in vapour-phase dehydration of methanol to dimethyl ether. Journal of Energy Chemistry, 2019, 30, 162-169.	12.9	43
17	Modelling of adsorption of textile dyes over multi-walled carbon nanotubes: Equilibrium and kinetic. Chinese Journal of Chemical Engineering, 2017, 25, 523-532.	3.5	42
18	New insights about coke deposition in methanol-to-DME reaction over MOR-, MFI- and FER-type zeolites. Journal of Industrial and Engineering Chemistry, 2018, 68, 196-208.	5.8	41

#	Article	IF	Citations
19	The effect of FER zeolite acid sites in methanol-to-dimethyl-ether catalytic dehydration. Journal of Energy Chemistry, 2017, 26, 406-415.	12.9	38
20	Supercritical water gasification of biomass and agro-food residues: Energy assessment from modelling approach. Renewable Energy, 2020, 150, 624-636.	8.9	38
21	Desilicated ZSM-5 zeolite: Catalytic performances assessment in methanol to DME dehydration. Microporous and Mesoporous Materials, 2020, 302, 110198.	4.4	37
22	Comparison of H + and NH 4 + forms of zeolites as acid catalysts for HMF etherification. Catalysis Today, 2018, 304, 97-102.	4.4	36
23	Methanol to dimethylether on H-MFI catalyst: The influence of the Si/Al ratio on kinetic parameters. Catalysis Today, 2014, 227, 138-143.	4.4	35
24	Methanol Conversion to Dimethyl Ether in Catalytic Zeolite Membrane Reactors. ACS Sustainable Chemistry and Engineering, 2020, 8, 10471-10479.	6.7	34
25	ZSM-5 zeolites performance assessment in catalytic pyrolysis of PVC-containing real WEEE plastic wastes. Catalysis Today, 2022, 390-391, 210-220.	4.4	34
26	Modelling of high quality pasta drying: mathematical model and validation. Journal of Food Engineering, 2005, 69, 387-397.	5.2	33
27	Direct versus acetalization routes in the reaction network of catalytic HMF etherification. Catalysis Science and Technology, 2018, 8, 1304-1313.	4.1	33
28	Methanol conversion over ZSM-12, ZSM-22 and EU-1 zeolites: from DME to hydrocarbons production. Catalysis Today, 2018, 304, 39-50.	4.4	33
29	The influence of formulation and cooling rate on the rheological properties of chocolate. European Food Research and Technology, 2010, 231, 821-828.	3.3	31
30	Experimental and simulation results for biomethane production using peek hollow fiber membrane. Fuel, 2013, 112, 489-493.	6.4	30
31	High performance of Au/ZTC based catalysts for the selective oxidation of bio-derivative furfural to 2-furoic acid. Catalysis Communications, 2021, 149, 106234.	3.3	30
32	In Situ FT-IR Characterization of CuZnZr/Ferrierite Hybrid Catalysts for One-Pot CO2-to-DME Conversion. Materials, 2018, 11, 2275.	2.9	28
33	Zeolite-assisted etherification of glycerol with butanol for biodiesel oxygenated additives production. Journal of Energy Chemistry, 2020, 48, 136-144.	12.9	28
34	Viscosity of Multicomponent Solutions of Simple and Complex Sugars in Water. Journal of Chemical & Engineering Data, 2007, 52, 1347-1353.	1.9	26
35	Glucose gasification in super-critical water conditions for both syngas production and green chemicals with a continuous process. Renewable Energy, 2016, 91, 451-455.	8.9	26
36	MFI vs. FER zeolite during methanol dehydration to dimethyl ether: The crystal size plays a key role. Catalysis Communications, 2021, 149, 106214.	3.3	25

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37	Filled-snacks production by co-extrusion-cooking. Part 3. A rheological-based method to compare filler processing properties. Journal of Food Engineering, 2002, 54, 227-240.	5.2	24
38	Modelling of high quality pasta drying: quality indices and industrial application. Journal of Food Engineering, 2005, 71, 242-251.	5.2	24
39	Effect of pentosan addition on dough rheological properties. Food Research International, 2010, 43, 2315-2320.	6.2	22
40	Reassembly mechanism in Fe-Silicalite during NH4OH post-treatment and relation with the acidity and catalytic reactivity. Applied Catalysis A: General, 2019, 580, 186-196.	4.3	22
41	Pilot Plant Data Assessment in Anaerobic Digestion of Organic Fraction of Municipal Waste Solids. Processes, 2019, 7, 54.	2.8	20
42	HMF etherification using NH₄-exchanged zeolites. New Journal of Chemistry, 2016, 40, 4300-4306.	2.8	18
43	Glucose gasification in near critical water conditions for both syngas production and green chemicals with a continuous process. Fuel, 2014, 115, 41-45.	6.4	16
44	Weakly acidic zeolites: A review on uses and relationship between nature of the active sites and catalytic behaviour. Microporous and Mesoporous Materials, 2020, 300, 110157.	4.4	16
45	RHEOLOGICAL PROPERTIES OF BATTER DOUGH: EFFECT OF EGG LEVEL. Journal of Food Process Engineering, 2011, 34, 1266-1281.	2.9	15
46	Simplified Kinetic Modeling of Propane Aromatization over Ga-ZSM-5 Zeolites: Comparison with Experimental Data. Industrial & Engineering Chemistry Research, 2017, 56, 10309-10317.	3.7	15
47	Modelling of dough formation process and structure evolution during farinograph test. International Journal of Food Science and Technology, 2013, 48, 121-127.	2.7	14
48	Process Innovation Via Supercritical Water Gasification to Improve the Conventional Plants Performance in Treating Highly Humid Biomass. Waste and Biomass Valorization, 2016, 7, 1289-1295.	3.4	14
49	Purification of Wastewater from Biomass-Derived Syngas Scrubber Using Biochar and Activated Carbons. International Journal of Environmental Research and Public Health, 2021, 18, 4247.	2.6	12
50	Catalytic behavior in propane aromatization using GA-MFI catalyst. Chinese Journal of Chemical Engineering, 2017, 25, 1863-1870.	3.5	9
51	The Effect of Zeolite Features on the Dehydration Reaction of Methanol to Dimethyl Ether: Catalytic Behaviour and Kinetics. Materials, 2020, 13, 5577.	2.9	9
52	Dry Mesophilic Anaerobic Digestion of Separately Collected Organic Fraction of Municipal Solid Waste: Two-Year Experience in an Industrial-Scale Plant. Processes, 2021, 9, 213.	2.8	9
53	Steam Reforming of Bioethanol Using Metallic Catalysts on Zeolitic Supports: An Overview. Catalysts, 2022, 12, 617.	3.5	9
54	Promoting Direct CO2 Conversion to DME over Zeolite-based Hybrid Catalysts. Petroleum Chemistry, 2020, 60, 508-515.	1.4	8

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55	New synthesis routes and catalytic applications of ferrierite crystals. Part 1: 1,8-Diaminooctane as a new OSDA. Microporous and Mesoporous Materials, 2020, 296, 109987.	4.4	8
56	Passivated Surface of High Aluminum Containing ZSM-5 by Silicalite-1: Synthesis and Application in Dehydration Reaction. ACS Sustainable Chemistry and Engineering, 2022, 10, 4839-4848.	6.7	8
57	Pressure and time effect over semi-continuous gasification of zootechnical sludge near critical condition of water for green chemicals production. Fuel, 2014, 136, 172-176.	6.4	7
58	CuZnZr-Zeolite Hybrid Grains for DME Synthesis: New Evidence on the Role of Metal-Acidic Features on the Methanol Conversion Step. Catalysts, 2020, 10, 671.	3.5	7
59	New synthesis routes and catalytic applications of ferrierite crystals. Part 2: The effect of OSDA type on zeolite properties and catalysis. Microporous and Mesoporous Materials, 2020, 296, 109988.	4.4	7
60	A rheological approach to drill-in fluids optimization. Rheologica Acta, 2001, 40, 196-203.	2.4	6
61	Semi-continuous biomass gasification with water under sub critical conditions. Fuel, 2013, 112, 249-253.	6.4	6
62	Towards the Circular Economy of Rare Earth Elements: Lanthanum Leaching from Spent FCC Catalyst by Acids. Processes, 2021, 9, 1369.	2.8	6
63	ZSM-5@Sil-1 core shell: Effect of synthesis method over textural and catalytic properties. Catalysis Today, 2022, 390-391, 176-184.	4.4	6
64	Original article: Innovation in fig syrup production process: a rheological approach. International Journal of Food Science and Technology, 2010, 45, 1947-1955.	2.7	5
65	Rheological Characterisation of Dairy Emulsions For Cold Foam Applications. International Journal of Food Properties, 2011, 14, 786-798.	3.0	5
66	The elastic behavior of zeolitic frameworks: The case of MFI type zeolite under high-pressure methanol intrusion. Catalysis Today, 2020, 345, 88-96.	4.4	5
67	Study of Adsorption Behavior of Multi-Walled Carbon Nanotubes Towards Dyes Applied in Textile Applications. Advanced Science Letters, 2017, 23, 5851-5854.	0.2	5
68	Olive Oil Based Emulsions in Frozen Puff Pastry Production. AIP Conference Proceedings, 2008, , .	0.4	4
69	Influence of Fat Content on Chocolate Rheology. AIP Conference Proceedings, 2008, , .	0.4	4
70	Rheological Study of O/W Concentrated Model Emulsions for Heavy Crude Oil Transportation. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2010, 33, 72-79.	2.3	4
71	Effect of water addition on pectin recovery from solution in centrifugal separation process. International Journal of Food Science and Technology, 2011, 46, 116-121.	2.7	4
72	Modelling flow behaviour of dairy foams through a nozzle. Journal of Food Engineering, 2012, 109, 218-229.	5.2	4

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73	A simple rheological model to predict filled fresh pasta failure during heat treatment. Journal of Food Engineering, 2001, 48, 7-18.	5.2	3
74	Supercritical Water Gasification of Scenedesmus Dimorphus Âµ-algae. International Journal of Chemical Reactor Engineering, 2017, 15, .	1.1	3
75	Electromagnetic induction-assisted pyrolysis of pre-treated MSW: Modelling and experimental analysis. Fuel Processing Technology, 2022, 233, 107297.	7.2	3
76	Catalytic microreactor with electrodeposited hierarchically nanostructured nickel coatings for gas-phase fluorination reactions. Journal of Fluorine Chemistry, 2018, 205, 22-29.	1.7	2
77	Supramolecular assembly of l-Lysine on ZSM-5 zeolites with different Si/Al ratio. Microporous and Mesoporous Materials, 2021, 323, 111183.	4.4	2
78	Phenol Removal from Water with Carbons: An Experimental Investigation. Tecnica Italiana, 2020, 64, 143-148.	0.2	2
79	THE USE OF RHEOLOGY TO CHARACTERIZE FLOW BEHAVIOR OF LIQUORICE SOLUTIONS. Journal of Food Process Engineering, 2004, 27, 464-475.	2.9	1
80	Rheological Study of Batter Dough for Yorkshire Pudding Production. AIP Conference Proceedings, 2008, , .	0.4	1
81	Synthesis and Catalytic Performances Evaluation of FER-Based Catalysts with Different Acidity in Methanol Conversion to DME. Advanced Science Letters, 2017, 23, 5847-5850.	0.2	1
82	Zeolite templated carbon from Beta replica as metal-free electrocatalyst for CO2 reduction. Applied Materials Today, 2022, 26, 101383.	4.3	1
83	The Effect of Waxes Addition on Rheological Properties of O/W Concentrated Model Emulsions. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2012, 34, 851-857.	2.3	0