Khaled Mezghani

List of Publications by Year
in descending order

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35	1,423	361413	414414
papers	citations	20 h-index	32 g-index

35	35	35	1407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation of pH-Indicative and Flame-Retardant Nanocomposite Films for Smart Packaging Applications. Sensors, 2020, 20, 5462.	3.8	13
2	Thermally rearranged polypyrrolone membranes for high-pressure natural gas separation applications. Journal of Natural Gas Science and Engineering, 2018, 51, 262-270.	4.4	24
3	Oxy-fuel combustion technology: current status, applications, and trends. International Journal of Energy Research, 2017, 41, 1670-1708.	4.5	93
4	Synthesis and water sorption properties of a series of exfoliated graphene/MIL-100(Fe) composites. RSC Advances, 2017, 7, 17353-17356.	3.6	3
5	Characteristic of air separation in hollow-fiber polymeric membrane for oxygen enriched air clean combustion applications. Journal of Cleaner Production, 2017, 143, 960-972.	9.3	15
6	Application of Ba0.5Sr0.5Co0.8Fe0.2O3â˜Î´ membranes in an oxy-fuel combustion reactor. Journal of Membrane Science, 2016, 518, 254-262.	8.2	19
7	Synthesis, characterization, and water adsorption properties of a novel multi-walled carbon nanotube/MIL-100(Fe) composite. Dalton Transactions, 2016, 45, 15621-15633.	3.3	39
8	Effect of microstructure and thickness on oxygen permeation of La2NiO4+Î´ membranes. Ceramics International, 2016, 42, 666-672.	4.8	12
9	Experimental and Numerical Investigation of La2NiO4 Membranes for Oxygen Separation: Geometry Optimization and Model Validation. Journal of Energy Resources Technology, Transactions of the ASME, 2015, 137, .	2.3	11
10	Experimental and numerical study of oxygen separation and oxy-combustion characteristics inside a button-cell LNO-ITM reactor. Energy, 2015, 84, 600-611.	8.8	31
11	Strain Influence on the Oxygen Electrocatalysis of the (100)-Oriented Epitaxial La₂NiO_{4+Î´} Thin Films at Elevated Temperatures. Journal of Physical Chemistry C, 2013, 117, 18789-18795.	3.1	48
12	Oxygen Permeation from Oxygen Ion-Conducting Membranes Coated with Porous Metals or Mixed Ionic and Electronic Conducting Oxides. Journal of the Electrochemical Society, 2013, 160, E148-E153.	2.9	22
13	Enhancing Oxygen Permeation of Electronically Short-Circuited Oxygen-Ion Conductors by Decorating with Mixed Ionic-Electronic Conducting Oxides. ECS Electrochemistry Letters, 2013, 2, F77-F81.	1.9	23
14	Effect of Blend Ratio of h-LLDPE and LDPE on Tear Properties of Blown Films. International Polymer Processing, 2012, 27, 392-398.	0.5	1
15	Effect of â€“COOH Functionalized Carbon Nanotubes on Mechanical, Dynamic Mechanical and Thermal Properties of Polypropylene Nanocomposites. Journal of Thermoplastic Composite Materials, 2012, 25, 333-350.	4.2	36
16	Analysis of dart impact resistance of low-density polyethylene and linear low-density polyethylene blown films via an improved instrumented impact test method. Journal of Plastic Film and Sheeting, 2012, 28, 298-313.	2.2	5
17	Effect of phenol functionalized carbon nanotube on mechanical, dynamic mechanical, and thermal properties of isotactic polypropylene nanocomposites. Polymer Engineering and Science, 2012, 52, 525-531.	3.1	5
18	Novel sulfonated poly(ether ether ketone)/phosphonated polysulfone polymer blends for proton conducting membranes. Journal of Materials Research, 2012, 27, 1958-1968.	2.6	25

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19	Long term environmental effects on physical properties of vinylester composite pipes. Polymer Testing, 2012, 31, 76-82.	4.8	21
20	Influence of carbon nanotube (CNT) on the mechanical properties of LLDPE/CNT nanocomposite fibers. Materials Letters, 2011, 65, 3633-3635.	2.6	33
21	A review of recent developments in carbon capture utilizing oxy-fuel combustion in conventional and ion transport membrane systems. International Journal of Energy Research, 2011, 35, 741-764.	4.5	161
22	Crystallization Kinetics of Polymers. , 2007, , 625-640.		12
23	Miscibility of hexene-LLDPE and LDPE blends: influence of branch content and composition distribution. Polymer, 2003, 44, 4665-4672.	3.8	67
24	Fatigue Crack Propagation in Weld Zone of CPVC Pipe Fittings at Different Temperatures. Journal of Polymer Engineering, 2001, 21, .	1.4	2
25	High speed melt spinning of poly(L-lactic acid) filaments. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 1005-1012.	2.1	108
26	The Î³-phase of high molecular weight isotactic polypropylene: III. The equilibrium melting point and the phase diagram. Polymer, 1998, 39, 3735-3744.	3.8	176
27	High speed melt spinning of poly(Lâ€lactic acid) filaments. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 1005-1012.	2.1	2
28	The Î³-phase of high molecular weight isotactic polypropylene. II: The morphology of the Î³-form crystallized at 200 MPa. Polymer, 1997, 38, 5725-5733.	3.8	114
29	On the crystallization of Î³-isotactic polypropylene: A high pressure study. Macromolecular Rapid Communications, 1997, 18, 1-7.	3.9	87
30	Î±â˜Î³ Disorder in Isotactic Polypropylene Crystallized under High Pressure. Macromolecules, 1996, 29, 795-797.	4.8	29
31	Î³-Phase in propylene copolymers at atmospheric pressure. Polymer, 1995, 36, 2407-2411.	3.8	81
32	Equilibrium Melting Point of Deuterated Polypropylene. Macromolecules, 1994, 27, 6145-6146.	4.8	11
33	Lamellar Thickening and the Equilibrium Melting Point of Polypropylene. Macromolecules, 1994, 27, 997-1002.	4.8	74
34	Optimizing the Curing Process of Epoxy-Clay Nanocomposites. Key Engineering Materials, 0, 471-472, 415-419.	0.4	10
35	Effect of High Shear Mixing Parameters and Degassing Temperature on the Morphology of Epoxy-Clay Nanocomposites. Advanced Materials Research, 0, 652-654, 159-166.	0.3	10