Devrim Balkose

List of Publications by Year
in descending order

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		279798	214800
76	2,386	23	47
papers	citations	h-index	g-index

78	78	78	2501
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effect of fiber surface treatments on the tensile and water sorption properties of polypropyleneâ€“luffa fiber composites. Composites Part A: Applied Science and Manufacturing, 2006, 37, 447-456.	7.6	295
2	Dye adsorption behavior of Luffa cylindrica fibers. Journal of Hazardous Materials, 2008, 153, 389-394.	12.4	239
3	Synergistic effect of natural zeolites on flame retardant additives. Polymer Degradation and Stability, 2005, 89, 478-483.	5.8	172
4	The effect of interfacial interactions on the mechanical properties of polypropylene/natural zeolite composites. Composites Part A: Applied Science and Manufacturing, 2004, 35, 23-32.	7.6	170
5	Thermal stabilisation of poly(vinyl chloride) by organotin compounds. Polymer Degradation and Stability, 2005, 88, 46-51.	5.8	141
6	Adsorption of heavy metal cations from aqueous solutions by wool fibers. Journal of Chemical Technology and Biotechnology, 1992, 54, 393-397.	3.2	91
7	Characterization of pure and silver exchanged natural zeolite filled polypropylene composite films. Composites Science and Technology, 2005, 65, 2049-2058.	7.8	73
8	Effect of zinc stearate and/or epoxidized soybean oil on gelation and thermal stability of PVC-DOP plastigels. Journal of Applied Polymer Science, 1999, 74, 2488-2498.	2.6	70
9	Synergism of Ca/Zn soaps in poly(vinyl chloride) thermal stability. European Polymer Journal, 2001, 37, 1191-1197.	5.4	64
10	Influence of surface modification of fillers and polymer on flammability and tensile behaviour of polypropylene-composites. Polymer Degradation and Stability, 2006, 91, 1079-1085.	5.8	64
11	Effects of mixed metal stearates on thermal stability of rigid PVC. European Polymer Journal, 1999, 35, 1501-1508.	5.4	59
12	Effect of zinc soaps of rubber seed oil (RSO) and/or epoxidised rubber seed oil (ERSO) on the thermal stability of PVC plastigels. Polymer Degradation and Stability, 2007, 92, 1572-1582.	5.8	56
13	Preparation and Characterization of Calcium Stearate Powders and Films Prepared by Precipitation and Langmuirâ€“Blodgett Techniques. Industrial & Engineering Chemistry Research, 2010, 49, 1732-1736.	3.7	51
14	Effect of additives on flexible PVC foam formation. Journal of Materials Processing Technology, 2008, 195, 144-153.	6.3	50
15	Thermal behaviour of a zeolitic tuff. Ceramics International, 2007, 33, 795-801.	4.8	48
16	Characterization of waterborne acrylic based paint films and measurement of their water vapor permeabilities. Progress in Organic Coatings, 2006, 56, 269-278.	3.9	45
17	Zinc Stearate Production by Precipitation and Fusion Processes. Industrial & Engineering Chemistry Research, 2005, 44, 1627-1633.	3.7	39
18	Synergistic effect of metal soaps and natural zeolite on poly(vinyl chloride) thermal stability. Journal of Vinyl and Additive Technology, 2005, 11, 47-56.	3.4	37

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19	Optimisation of the effect of colemanite as a new synergistic agent in an intumescent system. Polymer Degradation and Stability, 2006, 91, 1563-1570.	5.8	34
20	Batch and column studies on heavy metal removal using a local zeolitic tuff. Desalination, 2010, 259, 17-21.	8.2	34
21	Effect of Temperature and Time on Zinc Borate Species Formed from Zinc Oxide and Boric Acid in Aqueous Medium. Industrial & Engineering Chemistry Research, 2007, 46, 2367-2371.	3.7	32
22	Cure kinetics of epoxy resin-natural zeolite composites. Journal of Thermal Analysis and Calorimetry, 2008, 94, 743-747.	3.6	30
23	Water and water vapor sorption studies in polypropylene-zeolite composites. Journal of Applied Polymer Science, 2003, 90, 3069-3075.	2.6	29
24	Diffusivity, solubility and permeability of water vapor in flexible PVC/silica composite membranes. Journal of Membrane Science, 1996, 115, 217-224.	8.2	22
25	Formulation and properties' evaluation of PVC/(dioctyl phthalate)/(epoxidized rubber seed oil) plastigels. Journal of Vinyl and Additive Technology, 2008, 14, 65-72.	3.4	20
26	Thermal behaviour of metal soaps from biodegradable rubber seed oil. Journal of Thermal Analysis and Calorimetry, 2010, 101, 795-799.	3.6	20
27	Effect of humidity on electrical conductivity of zinc stearate nanofilms. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 67-74.	4.7	18
28	Effect of zeolite filler on the thermal degradation kinetics of polypropylene. Journal of Applied Polymer Science, 2006, 101, 143-148.	2.6	17
29	The effect of zinc stearate on thermal degradation of paraffin wax. Journal of Thermal Analysis and Calorimetry, 2008, 94, 737-742.	3.6	17
30	DEVELOPMENT OF SYNERGISTIC HEAT STABILIZERS FOR PVC FROM ZINC BORATE-ZINC PHOSPHATE. Chemical Engineering Communications, 2008, 196, 148-160.	2.6	17
31	Supercritical ethanol drying of zinc borates of 2ZnOÂ·3B2O3Â·3H2O and ZnOÂ·B2O3Â·2H2O. Journal of Supercritical Fluids, 2011, 59, 43-52.	3.2	17
32	Synthesis of zinc borate by inverse emulsion technique for lubrication. Journal of Thermal Analysis and Calorimetry, 2011, 104, 605-612.	3.6	17
33	Effect of preparation pH on pore structure of silica gels. Colloid and Polymer Science, 1993, 271, 709-713.	2.1	16
34	Crystallization kinetics and affecting parameters on polycaprolactone composites with inorganic and organic additives. Journal of Vinyl and Additive Technology, 2015, 21, 174-182.	3.4	16
35	Preparation and characterization of magnesium stearate, cobalt stearate, and copper stearate and their effects on poly(vinyl chloride) dehydrochlorination. Journal of Vinyl and Additive Technology, 2015, 21, 235-244.	3.4	16
36	Characterization of poly(vinyl chloride) powder produced by emulsion polymerization. Journal of Thermal Analysis and Calorimetry, 2010, 101, 801-806.	3.6	15

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37	Effects of particle size and electrical resistivity of filler on mechanical, electrical, and thermal properties of linear low density polyethyleneâ€“zinc oxide composites. Journal of Applied Polymer Science, 2013, 130, 2734-2743.	2.6	14
38	A Study of Adsorption of Water Vapour on Wool under Static and Dynamic Conditions. Adsorption, 1998, 4, 63-73.	3.0	12
39	Dynamics of water vapor adsorption on humidity-indicating silica gel. Applied Surface Science, 1998, 134, 39-46.	6.1	12
40	A study of cobaltous chloride dispersion on the surface of the silica gel. Applied Surface Science, 1999, 147, 77-84.	6.1	12
41	Supercritical Carbon Dioxide Drying of Methanolâ^'Zinc Borate Mixtures. Industrial & Engineering Chemistry Research, 2009, 48, 6869-6876.	3.7	12
42	The influence of binder content on the water transport properties of waterborne acrylic paints. Progress in Organic Coatings, 2010, 69, 417-425.	3.9	12
43	Characterization and Dehydration Behavior of a Natural, Ammonium Hydroxide, and Thermally Treated Zeolitic Tuff. Drying Technology, 2011, 29, 553-565.	3.1	12
44	Effect of Supercritical Ethanol Drying on the Properties of Zinc Oxide Nanoparticles. Drying Technology, 2012, 30, 739-749.	3.1	11
45	Effect of preparation pH on properties of silica gel. Journal of Chemical Technology and Biotechnology, 1990, 49, 165-171.	3.2	10
46	NATURAL ZEOLITES IN AIR DRYING. Drying Technology, 1992, 10, 475-490.	3.1	9
47	Sorption and diffusion of water vapour on edible films. Journal of Thermal Analysis and Calorimetry, 2008, 94, 683-686.	3.6	9
48	Morphology, order, light transmittance, and water vapor permeability of aluminumâ€coated polypropylene zeolite composite films. Journal of Applied Polymer Science, 2011, 120, 1671-1678.	2.6	9
49	Calf thymus DNA characterization and its adsorption on different silica surfaces. RSC Advances, 2015, 5, 57950-57959.	3.6	9
50	Methods of humidity determination Part II: Determination of material humidity. Journal of Thermal Analysis and Calorimetry, 2008, 94, 675-682.	3.6	8
51	Preparation and characterization of flexible poly(vinyl chloride) foam films. Journal of Applied Polymer Science, 2012, 125, 1448-1455.	2.6	8
52	Thermal degradation of poly(vinyl chloride) plastigels. Advances in Polymer Technology, 1998, 17, 63-71.	1.7	7
53	Water and water vapor sorption studies in poly(propylene)-zeolite composites. Journal of Applied Polymer Science, 2003, 90, 352-359.	2.6	7
54	Water vapour adsorption on DNA. Journal of Thermal Analysis and Calorimetry, 2008, 94, 695-698.	3.6	7

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55	Dehydration, Water Vapor Adsorption and Desorption Behavior of Zn[B₃O₃(OH)₅]ÂÂ·ÂH₂O and Zn[B₃O₄(OH)₃]. Drying Technology, 2012, 30, 1610-1620.	3.1	7
56	Interfacial enhancement of flexible PVC-silica composites by silane coupling agents. Composite Interfaces, 1996, 4, 223-237.	2.3	6
57	Moisture sorption and thermal characteristics of polyaramide blend fabrics. Journal of Applied Polymer Science, 2006, 102, 29-38.	2.6	6
58	Methods of humidity determination Part I: Hygrometry. Journal of Thermal Analysis and Calorimetry, 2008, 94, 669-673.	3.6	6
59	Diffusion of protons in silica hydrogel. Colloid and Polymer Science, 1989, 267, 460-464.	2.1	5
60	Preparation and Characterization of Flexible Polyvinylchloride-Copper Composite Films. Polymers and Polymer Composites, 2013, 21, 139-144.	1.9	5
61	Statistical thermal stability of PVC. Journal of Applied Polymer Science, 2010, 116, 1811-1822.	2.6	4
62	DRYING OF AIR IN SILICA GEL PACKED COLUMNS. Drying Technology, 1990, 8, 367-384.	3.1	3
63	Methylene blue adsorption from aqueous solutions to flexible poly(vinyl chloride) silica composites. Journal of Vinyl and Additive Technology, 2015, 21, 42-50.	3.4	3
64	Use, Preparation, and Characterization of Copper-Containing Silica Gel. Industrial & Engineering Chemistry Research, 2020, 59, 9939-9949.	3.7	3
65	Morphology of sodium salt of calf thymus DNA on mica, alumina, and silica surfaces: Effect of solvent and drying method. Drying Technology, 2017, 35, 1007-1019.	3.1	2
66	Diffusion of Butylated Hydroxy Toluol (BHT) in PVC Films. Spectroscopy Letters, 1989, 22, 569-578.	1.0	1
67	On the terms mass and weight. Journal of Thermal Analysis and Calorimetry, 2008, 94, 619-622.	3.6	1
68	Flexible Pvc-Silica Composites as An Adsorptive Material for Water Soluble Dyes. Polymers and Polymer Composites, 2013, 21, 177-182.	1.9	1
69	Calcium Soap Lubricants. , 2015, , 57-70.		1
70	Washing of Silica Hydrogel, Equilibrum, and Kinetics of Co(II) Sorption for Production of Humidity Indicating or Catalyst Silica Gel. , 2020, , 123-147.		1
71	Copper Ion Exchange Studies of Local Zeolitic Tuffs. ACS Symposium Series, 2010, , 95-112.	0.5	0
72	Stabilizing Effect of Biobased Additives on the Thermal Degradation of PVC. International Journal of Engineering Research in Africa, 2010, 1, 47-56.	0.7	0

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73	Zinc Borate Chemical Garden and Zinc Borate Powders from Tincal Mineral and Zinc Sulfate Heptahydrate. Journal of Boron, 0, , .	0.0	0
74	Lubricants having zinc borate by homogeneous precipitation and Span 60 in spindle oil. Journal of Boron, 0, , .	0.0	0
75	Effects of Span 60 template and freeze drying on zinc borate produced from zinc nitrate hexahydrate and borax decahydrate. Drying Technology, 0, , 1-15.	3.1	0
76	Aluminium-Coated Polymer Films as Infrared Light Shields for Food Packing. , 2014, , 109-124.		0