

Rafael van Grieken

List of Publications by Year in descending order

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143
papers

6,452
citations

66343

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all docs

144
docs citations

144
times ranked

6330
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in the Synthesis and Catalytic Applications of Organosulfonic-Functionalized Mesoporous Materials. <i>Chemical Reviews</i> , 2006, 106, 3790-3812.	47.7	443
2	Direct syntheses of ordered SBA-15 mesoporous materials containing arenesulfonic acid groups. <i>Journal of Materials Chemistry</i> , 2002, 12, 1664-1670.	6.7	311
3	Anomalous crystallization mechanism in the synthesis of nanocrystalline ZSM-5. <i>Microporous and Mesoporous Materials</i> , 2000, 39, 135-147.	4.4	263
4	Acidic Mesoporous Silica for the Acetylation of Glycerol: Synthesis of Bioadditives to Petrol Fuel. <i>Energy & Fuels</i> , 2007, 21, 1782-1791.	5.1	246
5	Kinetics of the photocatalytic disinfection of <i>Escherichia coli</i> suspensions. <i>Applied Catalysis B: Environmental</i> , 2008, 82, 27-36.	20.2	232
6	Synthesis of size-controlled silica-supported TiO ₂ photocatalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 148, 315-322.	3.9	186
7	Supercritical Fluid Extraction of a Nonionic Surfactant Template from SBA-15 Materials and Consequences on the Porous Structure. <i>Langmuir</i> , 2003, 19, 3966-3973.	3.5	146
8	A comprehensive study of the synthesis, characterization and activity of TiO ₂ and mixed TiO ₂ /SiO ₂ photocatalysts. <i>Applied Catalysis A: General</i> , 2006, 312, 202-212.	4.3	141
9	Comparison between the photocatalytic inactivation of Gram-positive <i>E. faecalis</i> and Gram-negative <i>E. coli</i> faecal contamination indicator microorganisms. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 212-220.	20.2	123
10	Role of the support on the activity of silica-supported TiO ₂ photocatalysts: Structure of the TiO ₂ /SBA-15 photocatalysts. <i>Catalysis Today</i> , 2005, 101, 307-314.	4.4	122
11	Heterogeneous events in the crystallization of zeolites. <i>Journal of Materials Chemistry</i> , 2001, 11, 2391-2407.	6.7	109
12	Aqueous-sensitive reaction sites in sulfonic acid-functionalized mesoporous silicas. <i>Journal of Catalysis</i> , 2008, 254, 205-217.	6.2	109
13	Photocatalytic inactivation of bacteria in water using suspended and immobilized silver-TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2009, 93, 112-118.	20.2	109
14	Comparison of the photocatalytic disinfection of <i>E. coli</i> suspensions in slurry, wall and fixed-bed reactors. <i>Catalysis Today</i> , 2009, 144, 48-54.	4.4	105
15	Understanding the effect of morphology on the photocatalytic activity of TiO ₂ nanotube array electrodes. <i>Electrochimica Acta</i> , 2016, 191, 521-529.	5.2	105
16	Influence of light distribution on the performance of photocatalytic reactors: LED vs mercury lamps. <i>Applied Catalysis B: Environmental</i> , 2017, 215, 1-7.	20.2	103
17	Removal of cyanides in wastewater by supported TiO ₂ -based photocatalysts. <i>Catalysis Today</i> , 2002, 75, 95-102.	4.4	102
18	Analogies and differences between photocatalytic oxidation of chemicals and photocatalytic inactivation of microorganisms. <i>Water Research</i> , 2010, 44, 789-796.	11.3	101

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19	Preparation of TS-1 by wetness impregnation of amorphous SiO ₂ ·TiO ₂ solids: influence of the synthesis variables. <i>Applied Catalysis A: General</i> , 1995, 124, 391-408.	4.3	94
20	Design and validation of a LED-based high intensity photocatalytic reactor for quantifying activity measurements. <i>Chemical Engineering Journal</i> , 2017, 327, 1043-1055.	12.7	94
21	Emerging micropollutant oxidation during disinfection processes using UV-C, UV-C/H ₂ O ₂ , UV-A/TiO ₂ and UV-A/TiO ₂ /H ₂ O ₂ . <i>Water Research</i> , 2013, 47, 1237-1245.	11.3	88
22	Thermal and catalytic cracking of polyethylene under mild conditions. <i>Journal of Analytical and Applied Pyrolysis</i> , 2001, 58-59, 127-142.	5.5	87
23	Crystallization mechanism of all-silica zeolite beta in fluoride medium. <i>Microporous and Mesoporous Materials</i> , 2001, 46, 35-46.	4.4	81
24	Influence of the Operating Variables on the Catalytic Conversion of a Polyolefin Mixture over HMCM-41 and Nanosized HZSM-5. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 5696-5704.	3.7	79
25	Direct synthesis of mesoporous M-SBA-15 (M=Al, Fe, B, Cr) and application to 1-hexene oligomerization. <i>Chemical Engineering Journal</i> , 2009, 155, 442-450.	12.7	79
26	Intrinsic kinetic modeling with explicit radiation absorption effects of the photocatalytic oxidation of cyanide with TiO ₂ and silica-supported TiO ₂ suspensions. <i>Applied Catalysis B: Environmental</i> , 2008, 85, 48-60.	20.2	75
27	Comprehensive multiphysics modeling of photocatalytic processes by computational fluid dynamics based on intrinsic kinetic parameters determined in a differential photoreactor. <i>Chemical Engineering Journal</i> , 2017, 310, 368-380.	12.7	74
28	Friedel Crafts acylation of aromatic compounds over arenesulfonic containing mesostructured SBA-15 materials. <i>Catalysis Communications</i> , 2004, 5, 131-136.	3.3	61
29	Acid hybrid catalysts from poly(styrenesulfonic acid) grafted onto ultra-large-pore SBA-15 silica using atom transfer radical polymerization. <i>Journal of Materials Chemistry</i> , 2010, 20, 8026.	6.7	61
30	Liquid phase oligomerization of 1-hexene over different mesoporous aluminosilicates (Al-MTS). <i>Journal of Catalysis</i> , 2006, 305, 176-188.	4.3	58
31	Morphology and Surface Properties of Titania-Silica Hydrophobic Xerogels. <i>Langmuir</i> , 2000, 16, 9460-9467.	3.5	57
32	Adsorption, acid and catalytic changes induced in ZSM-5 by coking with different hydrocarbons. <i>Applied Catalysis A: General</i> , 1993, 99, 97-113.	4.3	52
33	Scaling-up of slurry reactors for the photocatalytic oxidation of cyanide with TiO ₂ and silica-supported TiO ₂ suspensions. <i>Catalysis Today</i> , 2009, 144, 87-93.	4.4	52
34	Surface modified amorphous titanosilicate catalysts for liquid phase epoxidation. <i>Catalysis Today</i> , 2000, 61, 49-54.	4.4	51
35	Etherification of benzyl alcohols with 1-hexanol over organosulfonic acid mesostructured materials. <i>Journal of Molecular Catalysis A</i> , 2006, 256, 29-36.	4.8	50
36	Preparation of titanium molecular species supported on mesostructured silica by different grafting methods. <i>Journal of Molecular Catalysis A</i> , 2002, 182-183, 215-225.	4.8	48

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37	Simultaneous photocatalytic reduction of silver and oxidation of cyanide from dicyanoargentate solutions. <i>Applied Catalysis B: Environmental</i> , 2009, 86, 53-62.	20.2	48
38	Novel macroporous 3D photocatalytic foams for simultaneous wastewater disinfection and removal of contaminants of emerging concern. <i>Chemical Engineering Journal</i> , 2019, 366, 449-459.	12.7	48
39	Synthesis of TS-1 by wetness impregnation of amorphous SiO ₂ -TiO ₂ solids prepared by the sol-gel method. <i>Microporous Materials</i> , 1995, 4, 273-282.	1.6	47
40	Perfluorinated Nafion-modified SBA-15 materials for catalytic acylation of anisole. <i>Applied Catalysis A: General</i> , 2008, 347, 169-178.	4.3	46
41	Bacterial inactivation and degradation of organic molecules by titanium dioxide supported on porous stainless steel photocatalytic membranes. <i>Chemical Engineering Journal</i> , 2017, 318, 29-38.	12.7	46
42	Evidence of solid-solid transformations during the TS-1 crystallization from amorphous wetness impregnated SiO ₂ -TiO ₂ xerogels. <i>Microporous Materials</i> , 1996, 7, 309-321.	1.6	43
43	Synthesis of Chiral Periodic Mesoporous Silicas Incorporating Tartrate Derivatives in the Framework and Their Use in Asymmetric Sulfoxidation. <i>Chemistry of Materials</i> , 2008, 20, 2964-2971.	6.7	42
44	Fries rearrangement of phenyl acetate over sulfonic modified mesostructured SBA-15 materials. <i>Applied Catalysis A: General</i> , 2005, 289, 143-152.	4.3	41
45	Synthesis of titanium silicalite-1 from an SiO ₂ -TiO ₂ cogel using a wetness impregnation method. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 27-28.	2.0	40
46	Photocatalytic degradation of iron-cyanocomplexes by TiO ₂ based catalysts. <i>Applied Catalysis B: Environmental</i> , 2005, 55, 201-211.	20.2	40
47	Photocatalytic Decolorization and Mineralization of Dyes with Nanocrystalline TiO ₂ /SiO ₂ Materials. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 7605-7610.	3.7	40
48	Correlation between photoelectrochemical behaviour and photoelectrocatalytic activity and scaling-up of P25-TiO ₂ electrodes. <i>Electrochimica Acta</i> , 2014, 130, 261-270.	5.2	40
49	Optical and physicochemical properties of silica-supported TiO ₂ photocatalysts. <i>AIChE Journal</i> , 2006, 52, 2832-2843.	3.6	38
50	Rigorous kinetic modelling with explicit radiation absorption effects of the photocatalytic inactivation of bacteria in water using suspended titanium dioxide. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 404-416.	20.2	38
51	Photocatalytic Disinfection and Removal of Emerging Pollutants from Effluents of Biological Wastewater Treatments, Using a Newly Developed Large-Scale Solar Simulator. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2952-2958.	3.7	38
52	Synthesis of Sn-silicalite from hydrothermal conversion of SiO ₂ -SnO ₂ xerogels. <i>Microporous and Mesoporous Materials</i> , 2009, 119, 176-185.	4.4	36
53	Sulfonated polystyrene-modified mesoporous organosilicas for acid-catalyzed processes. <i>Chemical Engineering Journal</i> , 2010, 161, 388-396.	12.7	36
54	Ethylene polymerization over supported MAO/(nBuCp) ₂ ZrCl ₂ catalysts: Influence of support properties. <i>European Polymer Journal</i> , 2007, 43, 1267-1277.	5.4	35

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55	Facile one-pot approach to the synthesis of chiral periodic mesoporous organosilicas SBA-15-type materials. <i>Journal of Catalysis</i> , 2010, 274, 221-227.	6.2	34
56	Photocatalytic inactivation of bacteria in a fixed-bed reactor: Mechanistic insights by epifluorescence microscopy. <i>Catalysis Today</i> , 2011, 161, 133-139.	4.4	34
57	Effect of 1-Hexene Comonomer on Polyethylene Particle Growth and Kinetic Profiles. <i>Macromolecular Symposia</i> , 2007, 259, 243-252.	0.7	32
58	Electrochemical Enhancement of Photocatalytic Disinfection on Aligned TiO ₂ and Nitrogen Doped TiO ₂ Nanotubes. <i>Molecules</i> , 2017, 22, 704.	3.8	32
59	A model to predict physical properties for light lubricating oils and its application to the extraction process by furfural. <i>Chemical Engineering Science</i> , 2006, 61, 4381-4392.	3.8	31
60	Solar photocatalytic disinfection with immobilised TiO ₂ at pilot-plant scale. <i>Water Science and Technology</i> , 2010, 61, 507-512.	2.5	31
61	Modeling of a bench-scale photocatalytic reactor for water disinfection from laboratory-scale kinetic data. <i>Chemical Engineering Journal</i> , 2013, 224, 39-45.	12.7	30
62	Co/HZSM-5 catalyst for syngas conversion: influence of process variables. <i>Fuel</i> , 1995, 74, 445-451.	6.4	29
63	Wavelength dependence of the efficiency of photocatalytic processes for water treatment. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 258-265.	20.2	29
64	Cobalt/HZSM-5 zeolite catalyst for the conversion of syngas to hydrocarbons. <i>Applied Catalysis</i> , 1991, 68, 11-29.	0.8	28
65	TS-2 synthesis from wetness-impregnated SiO ₂ -TiO ₂ xerogels. <i>Zeolites</i> , 1997, 18, 368-378.	0.5	28
66	A generalized model to predict the liquid-liquid equilibrium in the systems SiO_2 - H_2O - C_6H_6 . <i>Chemical Engineering Science</i> , 2001, 56, 111-121.	3.8	28
67	Characterization of Ethylene-1-Hexene Copolymers Made with Supported Metallocene Catalysts: Influence of Support Type. <i>Macromolecular Symposia</i> , 2007, 257, 103-111.	0.7	28
68	Development of novel chromium oxide/metallocene hybrid catalysts for bimodal polyethylene. <i>Polymer</i> , 2011, 52, 1891-1899.	3.8	28
69	On the comparison of photocatalysts activity: A novel procedure for the measurement of titania surface in TiO ₂ /SiO ₂ materials. <i>Catalysis Today</i> , 2007, 124, 103-109.	4.4	27
70	On the Sn(II) and Sn(IV) incorporation into the AFI-structured AlPO ₄ -based framework: the first significantly acidic SnAPO-5. <i>Journal of Materials Chemistry</i> , 2009, 19, 6833.	6.7	27
71	Nanocrystalline ZSM-5: A catalyst with high activity and selectivity for epoxide rearrangement reactions. <i>Journal of Molecular Catalysis A</i> , 2010, 318, 68-74.	4.8	27
72	Study of bacterial adhesion onto immobilized TiO ₂ : Effect on the photocatalytic activity for disinfection applications. <i>Catalysis Today</i> , 2013, 209, 140-146.	4.4	27

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73	Magnesium and silicon as ZSM-5 modifier agents for selective toluene disproportionation. <i>Industrial & Engineering Chemistry Research</i> , 1992, 31, 1875-1880.	3.7	26
74	Liquid-Phase Oligomerization of 1-Hexene Using Al-MTS Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 7409-7414.	3.7	25
75	Performance of TiO ₂ photoanodes toward oxidation of methanol and E.Âcoli inactivation in water in a scaled-up photoelectrocatalytic reactor. <i>Electrochimica Acta</i> , 2017, 258, 599-606.	5.2	25
76	Catalytic aerogel-like materials dried at ambient pressure for liquid-phase epoxidation. <i>Chemical Communications</i> , 1999, , 549-550.	4.1	24
77	Synthesis and Characterization of Ethylene/Propylene Copolymers in the Whole Composition Range. <i>Macromolecular Symposia</i> , 2007, 257, 122-130.	0.7	24
78	Ethylene/1-ÂHexene Copolymers Produced with MAO/(nBuCp) ₂ ZrCl ₂ Supported on SBA-15 Materials with Different Pore Sizes. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1590-1599.	2.2	24
79	Quantum efficiency of cyanide photooxidation with TiO ₂ /SiO ₂ catalysts: Multivariate analysis by experimental design. <i>Catalysis Today</i> , 2007, 129, 143-151.	4.4	23
80	Critical role of the light spectrum on the simulation of solar photocatalytic reactors. <i>Applied Catalysis B: Environmental</i> , 2019, 252, 1-9.	20.2	23
81	Bifunctional properties of Al-TS-1 synthesized by wetness impregnation of amorphous Al ₂ O ₃ -TiO ₂ -SiO ₂ solids prepared by the sol-gel method. <i>Catalysis Letters</i> , 1996, 41, 69-78.	2.6	22
82	Chromium oxide/metallocene binary catalysts for bimodal polyethylene: Hydrogen effects. <i>Chemical Engineering Journal</i> , 2012, 213, 62-69.	12.7	22
83	Photocatalytic gold recovery from spent cyanide plating bath solutions. <i>Gold Bulletin</i> , 2005, 38, 180-187.	2.7	21
84	Ethylene polymerization over (nBuCp) ₂ ZrCl ₂ /MAO catalytic system supported on aluminosilicate SBA-15 mesostructured materials. <i>Polymer Engineering and Science</i> , 2008, 48, 606-616.	3.1	21
85	Selective production of methanol from syngas over LaTi _{1-x} Cu _x O ₃ mixed oxides. <i>Catalysis Letters</i> , 1991, 8, 335-344.	2.6	20
86	Crystallization of TS-1 and TS-2 zeolites with contribution of solid-Âsolid transformations. <i>Chemical Communications</i> , 1996, , 1097-1098.	4.1	20
87	Study on the Ti and Al coinorporation into the MFI zeolitic structure. <i>Journal of Materials Chemistry</i> , 1998, 8, 2269-2276.	6.7	20
88	Nitrogen and sulphur poisoning in alkene oligomerization over mesostructured aluminosilicates (Al-MTS, Al-MCM-41) and nanocrystalline n-HZM-5. <i>Applied Catalysis A: General</i> , 2008, 337, 173-183.	4.3	20
89	Photocatalytic inactivation of Escherichia coli aqueous suspensions in a fixed-bed reactor. <i>Catalysis Today</i> , 2015, 252, 143-149.	4.4	19
90	Liquid phase rearrangement of long straight-chain epoxides over amorphous, mesostructured and zeolitic catalysts. <i>Applied Catalysis A: General</i> , 2004, 269, 137-146.	4.3	18

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91	Prediction of Liquid-Liquid Equilibrium in the System Furfural + Heavy Neutral Distillate Lubricating Oil. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 8106-8112.	3.7	18
92	Simultaneous photocatalytic oxidation of pharmaceuticals and inactivation of <i>Escherichia coli</i> in wastewater treatment plant effluents with suspended and immobilised TiO ₂ . <i>Water Science and Technology</i> , 2012, 65, 2016-2023.	2.5	18
93	Kinetic modelling of <i>Escherichia coli</i> inactivation in a photocatalytic wall reactor. <i>Catalysis Today</i> , 2015, 240, 9-15.	4.4	18
94	Influence of structure on the properties of polypropylene copolymers and terpolymers. <i>Polymer Testing</i> , 2017, 62, 23-32.	4.8	17
95	Simulation of pilot-plant extraction experiments to reduce the aromatic content from lubricating oils. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 1398-1403.	3.6	16
96	Ethylene polymerization with methylaluminoxane/(<i>n</i> BuCp) ₂ ZrCl ₂ catalyst supported on silica and silica-alumina at different Al/MAO/Zr molar ratios. <i>Journal of Applied Polymer Science</i> , 2011, 120, 599-606.	2.6	16
97	Development of a new synthetic method based on <i>in situ</i> strategies for polyethylene/clay composites. <i>Journal of Applied Polymer Science</i> , 2012, 126, 987-997.	2.6	16
98	Chemisorption of H ₂ on supported Pt clusters probed by ¹²⁹ Xe NMR. <i>Catalysis Letters</i> , 1993, 17, 273-283.	2.6	15
99	Mechanism of CIT-6 and VPI-8 Crystallization from Zincosilicate Gels. <i>Chemistry - A European Journal</i> , 2002, 8, 5153-5160.	3.3	15
100	High-performance low-cost solar collectors for water treatment fabricated with recycled materials, open-source hardware and 3d-printing technologies. <i>Science of the Total Environment</i> , 2021, 784, 147119.	8.0	15
101	The Role of the Hydroxyl Groups on the Silica Surface When Supporting Metallocene/MAO Catalysts. <i>Polymer-Plastics Technology and Engineering</i> , 2003, 11, 17-32.	0.7	14
102	Effect of the solvent in the liquid phase rearrangement of 1,2-epoxyoctane over Al-MCM-41 and Al-TS-1 catalysts. <i>Journal of Molecular Catalysis A</i> , 2004, 222, 167-174.	4.8	14
103	Effect of the Al-MCM-41 properties on the catalytic liquid phase rearrangement of 1,2-epoxyoctane. <i>Applied Catalysis A: General</i> , 2007, 319, 171-180.	4.3	14
104	Polymerization of ethylene with (<i>n</i> BuCp) ₂ ZrCl ₂ supported over mesoporous SBA-15 functionalized with sulfonic acid groups. <i>Applied Catalysis A: General</i> , 2012, 437-438, 44-52.	4.3	14
105	Crystallization mechanism of Al-Ti-beta zeolite synthesized from amorphous wetness impregnated xerogels. <i>Journal of Materials Chemistry</i> , 1999, 9, 2899-2905.	6.7	13
106	Crystallization mechanism of Al-TS-1 synthesised from amorphous wetness-impregnated Al ₂ O ₃ -TiO ₂ -SiO ₂ xerogels: role of aluminium species. <i>Journal of Materials Chemistry</i> , 2001, 11, 1519-1525.	6.7	13
107	Kinetics and influence of water composition on photocatalytic disinfection and photocatalytic oxidation of pollutants. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 1435-1440.	2.2	13
108	Hybrid zeolitic-mesostructured materials as supports of metallocene polymerization catalysts. <i>Catalysis Today</i> , 2012, 179, 115-122.	4.4	13

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109	Liquid-phase isophorone oxide rearrangement over mesoporous Al-MCM-41 materials. <i>Journal of Catalysis</i> , 2005, 236, 122-128.	6.2	12
110	Ethylene/1-butene Copolymerization over Heterogeneous Metallocene Catalyst. <i>Macromolecular Symposia</i> , 2007, 259, 174-180.	0.7	12
111	Photocatalytic inactivation of <i>E. faecalis</i> in secondary wastewater plant effluents. <i>Water Science and Technology</i> , 2010, 61, 2355-2361.	2.5	12
112	Ethylene Polymerization by Metallocene Catalysts Supported over Siliceous Materials with Bimodal Pore Size Distribution. <i>Macromolecular Symposia</i> , 2011, 302, 198-207.	0.7	12
113	Synthesis and characterization of SBA-15 materials functionalized with olefinic groups and subsequent modification through oxidation procedures. <i>Microporous and Mesoporous Materials</i> , 2010, 131, 321-330.	4.4	11
114	Modification of chiral dimethyl tartrate through transesterification: Immobilization on POSS and enantioselectivity reversal in sharpless asymmetric epoxidation. <i>Chirality</i> , 2010, 22, 675-683.	2.6	10
115	Corrigendum to "Kinetics of the photocatalytic disinfection of <i>Escherichia coli</i> suspensions" [<i>Appl. Catal. B: Environ.</i> 82 (2008) 27-36]. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 582-583.	20.2	10
116	Kinetic modelling of the photocatalytic inactivation of bacteria. <i>Water Science and Technology</i> , 2010, 61, 1547-1553.	2.5	10
117	Influence of β -nucleation on polymorphism and properties in random copolymers and terpolymers of propylene. <i>Polymer Engineering and Science</i> , 2012, 52, 2285-2295.	3.1	10
118	Bimodal Poly(propylene) through Binary Metallocene Catalytic Systems as an Alternative to Melt Blending. <i>Macromolecular Symposia</i> , 2012, 321-322, 46-52.	0.7	9
119	Application of a generalized model to the estimation of physical properties and description of the aromatic extraction from a highly paraffinic lubricating oil. <i>Chemical Engineering Science</i> , 2008, 63, 711-720.	3.8	8
120	(nBuCp) ₂ ZrCl ₂ supported over mesoporous propyl sulfonic silica-alumina: a highly active heterogeneous catalyst for ethylene polymerization. <i>Catalysis Science and Technology</i> , 2013, 3, 2565.	4.1	8
121	Nafion-Modified Large-Pore Silicas for the Catalytic Acylation of Anisole with Acetic Anhydride. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10145-10151.	3.7	8
122	Bimodal polypropylene through binary metallocene catalytic systems: comparison between hybrid and mixed heterogeneous catalysts. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	8
123	Influence of stereospecificity and molecular weight on mechanical properties of iso-syndio-polypropylene obtained by combination of metallocene catalysts. <i>European Polymer Journal</i> , 2017, 90, 183-194.	5.4	8
124	Synthesis of MTBE from isobutane using a single catalytic system based on titanium-containing ZSM-5 zeolite. <i>Chemical Communications</i> , 1996, , 1145.	4.1	7
125	Photoelectrocatalytic study and scaling up of titanium dioxide electrodes for wastewater treatment. <i>Water Science and Technology</i> , 2013, 68, 999-1003.	2.5	7
126	Determination of Photochemical, Electrochemical and Photoelectrochemical Efficiencies in a Photoelectrocatalytic Reactor. <i>International Journal of Chemical Reactor Engineering</i> , 2013, 11, 787-797.	1.1	7

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127	Simulation of Multicomponent Distillation Using a Nonequilibrium Stage Model. Separation Science and Technology, 1994, 29, 1805-1821.	2.5	5
128	CHAPTER 14. Fundamentals of Radiation Transport in Absorbing Scattering Media. RSC Energy and Environment Series, 2016, , 349-366.	0.5	5
129	Synthesis of MTBE from Isobutane Using a Single Catalytic System Based on Titanium-Containing ZSM-5:Â Influence of Reaction Parameters. Industrial & Engineering Chemistry Research, 1998, 37, 4215-4221.	3.7	4
130	Synthesis and characterization of low molecular weight poly(1-butene) macromolecules prepared using metallocene catalysts. Applied Catalysis A: General, 2013, 460-461, 70-77.	4.3	4
131	CHAPTER 15. Photocatalytic Reactor Design. RSC Energy and Environment Series, 2016, , 367-387.	0.5	4
132	The use of gas absorption correlations for mass transfer coefficients in distillation processes. International Journal of Heat and Mass Transfer, 1992, 35, 2963-2968.	4.8	3
133	Carbon monoxide hydrogenation over Fe/HZSM-5 catalysts. Effect of SiO ₂ /Al ₂ O ₃ zeolite ratio. Catalysis Letters, 1993, 18, 65-71.	2.6	3
134	Comparison of Empirical and Kinetic Modeling of the Photocatalytic Oxidation of Cyanide. International Journal of Chemical Reactor Engineering, 2007, 5, .	1.1	3
135	Novel titanoceneâ€tartrate complexes as catalysts for the asymmetric epoxidation of allylic alcohols. Catalysis Communications, 2007, 8, 655-660.	3.3	3
136	Synthesis of hard mesoporous macro-spheres with silicate and aluminosilicate compositions. Journal of Porous Materials, 2010, 17, 387-397.	2.6	3
137	Sol-Gel Titania and Titania-Silica Mixed Oxides Photocatalysts. Solid State Phenomena, 2010, 162, 221-238.	0.3	3
138	Effect of Liquid Feed-Stock Composition on the Morphology of Titanium Dioxide Films Deposited by Thermal Plasma Spray. Journal of Nanoscience and Nanotechnology, 2015, 15, 6651-6662.	0.9	2
139	Ethylene Polymerization Over Ph ₂ C(C)(C)(2,7â€B)u ₂ F(lu)Z(r)C Supported On SiO ₂ â€MAO. Macromolecular Reaction Engineering, 2013, 7, 674-683.		
140	Synthesis and Characterization of Low Molecular Weight Ethyleneâ€Propylene Copolymers Prepared Using Metallocene Catalysts. Macromolecular Reaction Engineering, 2014, 8, 796-804.	1.5	1
141	Evaluation of Bimodal Polyethylene from Chromium Oxide/Metallocene Hybrid Catalysts for High Resistance Applications. Macromolecular Reaction Engineering, 2020, 14, 2000032.	1.5	1
142	Polystyrene modified hybrid materials based on ordered mesoporous silica. Studies in Surface Science and Catalysis, 2008, , 345-348.	1.5	0
143	Influence of the feeding control on the final properties of ethylene/propylene copolymers obtained in laboratory semi-batch reactor. Macromolecular Research, 2013, 21, 137-145.	2.4	0