

# Joao Henrique Zimnoch Joao Henrique Z

## List of Publications by Year in descending order

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229  
papers

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126907

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232  
docs citations

232  
times ranked

4160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailored Silica-antibiotic Nanoparticles: Overcoming Bacterial Resistance with Low Cytotoxicity. <i>Langmuir</i> , 2014, 30, 7456-7464.	3.5	97
2	The effect of silica dehydroxylation temperature on the activity of SiO <sub>2</sub> -supported zirconocene catalysts. <i>Journal of Molecular Catalysis A</i> , 1999, 139, 199-207.	4.8	90
3	Stabilization and solidification of Pb in cement matrices. <i>Journal of Hazardous Materials</i> , 2010, 179, 507-514.	12.4	63
4	Bentonites impregnated with TiO <sub>2</sub> for photodegradation of methylene blue. <i>Applied Clay Science</i> , 2010, 48, 602-606.	5.2	63
5	Supported ionic liquid phase rhodium nanoparticle hydrogenation catalysts. <i>Dalton Transactions</i> , 2007, , 5549.	3.3	62
6	Molecularly imprinted TiO <sub>2</sub> photocatalysts for degradation of diclofenac in water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 729-738.	4.7	62
7	A synergistic combination of tetraethylorthosilicate and multiphosphonic acid offers excellent corrosion protection to AA1100 aluminum alloy. <i>Applied Surface Science</i> , 2013, 273, 758-768.	6.1	61
8	Organosilicon-modified silicas as support for zirconocene catalyst. <i>Journal of Molecular Catalysis A</i> , 2000, 154, 103-113.	4.8	58
9	Infrared and Raman spectroscopic characterization of some organic substituted hybrid silicas. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 619-625.	3.9	56
10	Determination of metals by total reflection X-ray fluorescence and evaluation of toxicity of a river impacted by coal mining in the south of Brazil. <i>Journal of Hazardous Materials</i> , 2009, 163, 531-537.	12.4	55
11	Nanostructured bioactive compounds for ecological food packaging. <i>Environmental Chemistry Letters</i> , 2017, 15, 193-204.	16.2	54
12	Zeolite NaA from Brazilian chrysotile and rice husk. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 548-554.	4.4	53
13	Linear low-density polyethylene synthesis promoted by homogeneous and supported catalysts. <i>Polymer International</i> , 1999, 48, 660-664.	3.1	52
14	Photodegradation of methylene blue by in situ generated titania supported on a NaA zeolite. <i>Applied Catalysis A: General</i> , 2009, 357, 125-134.	4.3	52
15	Multianalyte determination of different classes of pesticides (acidic, triazines, phenyl ureas, anilines,) Tj ETQq1 1 0.784314 rgBT /Overton spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 940-954.	3.7	50
16	Silica supported zirconocenes and Al-based cocatalysts: surface metal loading and catalytic activity. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 3529-3537.	2.2	49
17	Development of structured natural dyes for use into plastics. <i>Dyes and Pigments</i> , 2017, 136, 248-254.	3.7	49
18	Effects of Al/Zr ratio on ethylene-propylene copolymerization with supported-zirconocene catalysts. <i>Journal of Molecular Catalysis A</i> , 2001, 169, 275-287.	4.8	47

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19	Biodegradable Duo-functional Active Film: Antioxidant and Antimicrobial Actions for the Conservation of Beef. <i>Food and Bioprocess Technology</i> , 2015, 8, 75-87.	4.7	47
20	Influence of Acidic Support in Metallocene Catalysts for Ethylene Polymerization. <i>Journal of Catalysis</i> , 2001, 204, 1-10.	6.2	43
21	Catalytic photodegradation of dyes by in situ zeolite-supported titania. <i>Chemical Engineering Journal</i> , 2010, 158, 505-512.	12.7	43
22	Phosphonic acid/silica-based films: A potential treatment for corrosion protection. <i>Corrosion Science</i> , 2012, 60, 173-180.	6.6	43
23	Synthesis of molecularly imprinted photocatalysts containing low TiO <sub>2</sub> loading: Evaluation for the degradation of pharmaceuticals. <i>Journal of Hazardous Materials</i> , 2016, 306, 359-366.	12.4	43
24	Structural, textural and morphological characteristics of tannins from <i>Acacia mearnsii</i> encapsulated using sol-gel methods: Applications as antimicrobial agents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 26-33.	5.0	42
25	Polyethylenes produced with zirconocene immobilized on MAO-modified silicas. <i>Polymer</i> , 2002, 43, 2937-2943.	3.8	40
26	Ethylene polymerization with catalyst systems based on supported metallocenes with varying steric hindrance. <i>Journal of Molecular Catalysis A</i> , 2003, 206, 353-362.	4.8	40
27	Copolymerization of Ethylene with 1-Hexene Using Sterically Hindered Tris(pyrazolyl)borate Titanium (IV) Compounds. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 319-324.	2.2	39
28	Photocatalytic degradation of drugs by supported titania-based catalysts produced from petrochemical plant residue. <i>Powder Technology</i> , 2015, 279, 166-172.	4.2	39
29	Waterborne polyurethane: the effect of the addition or in situ formation of silica on mechanical properties and adhesion. <i>International Journal of Adhesion and Adhesives</i> , 2015, 58, 13-20.	2.9	38
30	Optimization of a silica supported bis(butylcyclopentadienyl)-zirconium dichloride catalyst for ethylene polymerization. <i>Macromolecular Chemistry and Physics</i> , 1999, 200, 751-757.	2.2	37
31	Sol-gel hybrid films based on organosilane and montmorillonite for corrosion inhibition of AA2024. <i>Journal of Colloid and Interface Science</i> , 2014, 426, 308-313.	9.4	37
32	Ethylene and 1-butene copolymerization catalyzed by a Ziegler-Natta/Metallocene hybrid catalyst through a 23 factorial experimental design. <i>Polymer</i> , 2003, 44, 1377-1384.	3.8	36
33	An assessment of the corrosion protection of AA2024-T3 treated with vinyltrimethoxysilane/(3-glycidyloxypropyl)trimethoxysilane. <i>Corrosion Science</i> , 2015, 92, 200-208.	6.6	35
34	Supported metallocene on mesoporous materials. <i>Applied Catalysis A: General</i> , 2007, 333, 96-106.	4.3	34
35	Effect of the silica texture on grafting metallocene catalysts. <i>Journal of Molecular Catalysis A</i> , 2007, 265, 167-176.	4.8	34
36	Corrosion behavior of AA2024-T3 alloy treated with phosphonate-containing TEOS. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 403-414.	2.5	33

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37	Nickel catalysts based on phenyl ether-pyrazol ligands: Synthesis, XPS study, and use in ethylene oligomerization. <i>Applied Catalysis A: General</i> , 2013, 453, 280-286.	4.3	33
38	Copolymerization of ethylene and 1-hexene with Et(Ind) <sub>2</sub> ZrCl <sub>2</sub> in hexane. <i>Polymer</i> , 2001, 42, 6355-6361.	3.8	32
39	Characterization of MAO-modified silicas. <i>Journal of Molecular Catalysis A</i> , 2002, 185, 223-235.	4.8	32
40	Octadecylsilane-modified silicas prepared by grafting and sol-gel methods. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 156-158, 413-420.	1.7	32
41	Effect of the sol-gel route on the textural characteristics of silica imprinted with Rhodamine B. <i>Journal of Separation Science</i> , 2014, 37, 868-875.	2.5	32
42	Ethylene (co)polymerization with supported-metallocenes prepared by the sol-gel method. <i>Polymer</i> , 2001, 42, 4517-4525.	3.8	31
43	Characterization and evaluation of the nature of chemical species generated in hybrid Ziegler-Natta/metallocene catalyst. <i>Journal of Molecular Catalysis A</i> , 2001, 175, 91-103.	4.8	31
44	Polymerization of ethylene by the tris(pyrazolyl)borate titanium(IV) compound immobilized on MAO-modified silicas. <i>Journal of Molecular Catalysis A</i> , 2004, 209, 163-169.	4.8	31
45	Tris(pyrazolyl)borate imido vanadium (V) compound immobilized on inorganic supports and its use in ethylene polymerization. <i>Journal of Molecular Catalysis A</i> , 2004, 212, 267-275.	4.8	31
46	Silica-based adsorbent material with grape bagasse encapsulated by the sol-gel method for the adsorption of Basic Blue 41 dye. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103342.	6.7	31
47	Effects of ethylene polymerization conditions on the activity of SiO <sub>2</sub> -supported zirconocene and on polymer properties. <i>Journal of Polymer Science Part A</i> , 1999, 37, 1987-1996.	2.3	30
48	Effect of MAO silica surface loading on (nBuCp) <sub>2</sub> ZrCl <sub>2</sub> anchoring, on catalyst activity and on polymer properties. <i>Applied Catalysis A: General</i> , 2004, 261, 57-67.	4.3	30
49	Determination of catalyst metal residues in polymers by X-ray fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 599-604.	2.9	30
50	Hybrid silica bearing different organosilanes produced by the modified Stober method. <i>Powder Technology</i> , 2016, 301, 486-492.	4.2	30
51	Supported metallocenes using inorganic-organic hybrid xerogels. <i>Journal of Molecular Catalysis A</i> , 2000, 158, 541-557.	4.8	29
52	Selective silica-based sorbent materials synthesized by molecular imprinting for adsorption of pharmaceuticals in aqueous matrices. <i>Journal of Separation Science</i> , 2013, 36, 636-643.	2.5	29
53	The interaction of encapsulated pharmaceutical drugs with a silica matrix. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 422-429.	5.0	27
54	Photocatalytic degradation of nicotine in an aqueous solution using unconventional supported catalysts and commercial ZnO/TiO <sub>2</sub> under ultraviolet radiation. <i>Science of the Total Environment</i> , 2014, 494-495, 97-103.	8.0	27

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55	Analysis and characterization of real catalysts using ion beam analysis. Nuclear Instruments & Methods in Physics Research B, 1998, 136-138, 1259-1266.	1.4	26
56	The effect of the sol-gel route on the characteristics of acid-base sensors. Sensors and Actuators B: Chemical, 2010, 151, 169-176.	7.8	26
57	Synthesis and characterization of SiO <sub>2</sub> -CrO <sub>3</sub> , SiO <sub>2</sub> -MoO <sub>3</sub> , and SiO <sub>2</sub> -WO <sub>3</sub> mixed oxides produced using the non-hydrolytic sol-gel process. Journal of Sol-Gel Science and Technology, 2014, 69, 72-84.	2.4	26
58	Indenyl-silica xerogels: new materials for supporting metallocene catalysts. Applied Catalysis A: General, 2001, 220, 287-302.	4.3	25
59	Evaluation of silica-supported zirconocenes in ethylene/1-hexene copolymerization. Journal of Molecular Catalysis A, 2002, 189, 233-240.	4.8	25
60	High-pressure Fourier transform micro-Raman spectroscopic investigation of diiodine-heterocyclic thioamide adducts. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2002, 58, 2725-2735.	3.9	25
61	Investigation of silica particle structure containing metallocene immobilized by a sol-gel method. Journal of Non-Crystalline Solids, 2008, 354, 3973-3979.	3.1	25
62	An investigation on structure and texture of silica-magnesia xerogels. Journal of Sol-Gel Science and Technology, 2009, 51, 70-77.	2.4	25
63	The potential of chemical industrial and academic wastes as a source of supported photocatalysts. Journal of Molecular Catalysis A, 2014, 393, 125-133.	4.8	25
64	Photocatalytic degradation of rhodamine B, paracetamol and diclofenac sodium by supported titania-based catalysts from petrochemical residue: effect of doping with magnesium. Water Science and Technology, 2016, 74, 2370-2383.	2.5	25
65	Hybrid supported zirconocene and niobocene catalysts on MAO-modified silicas. Journal of Molecular Catalysis A, 2002, 184, 167-173.	4.8	24
66	XPS characterization of nickel-acetylacetonate impregnated in NaX and NaY zeolites. Microporous and Mesoporous Materials, 2004, 69, 217-221.	4.4	24
67	Carbon dioxide conversion to dimethyl carbonate: The effect of silica as support for SnO <sub>2</sub> and ZrO <sub>2</sub> catalysts. Comptes Rendus Chimie, 2011, 14, 780-785.	0.5	24
68	Direct production of ultra-high molecular weight polyethylene with oriented crystalline microstructures. Journal of Molecular Catalysis A, 2013, 366, 74-83.	4.8	24
69	An explanation for experimental behavior of hybrid metallocene silica-supported catalyst for ethylene polymerization. Journal of Molecular Catalysis A, 2004, 216, 19-27.	4.8	23
70	Multitask Imidazolium Salt Additives for Innovative Poly(lactide) Biomaterials: Morphology Control, <i>Candida</i> spp. Biofilm Inhibition, Human Mesenchymal Stem Cell Biocompatibility, and Skin Tolerance. ACS Applied Materials & Interfaces, 2016, 8, 21163-21176.	8.0	23
71	Microporous and mesoporous supports and their effect on the performance of supported metallocene catalysts. Journal of Molecular Catalysis A, 2010, 315, 213-220.	4.8	22
72	Synthesis of hybrid zeolites using a solvent-free method in the presence of different organosilanes. Microporous and Mesoporous Materials, 2017, 241, 98-106.	4.4	22

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73	Color and fastness of natural dyes encapsulated by a sol-gel process for dyeing natural and synthetic fibers. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 351-364.	2.4	22
74	Micro and nanodomains on structured silica/titania photocatalysts surface evaluated in RhB degradation: Effect of structural properties on catalytic efficiency. <i>Applied Surface Science Advances</i> , 2021, 3, 100055.	6.8	22
75	Metallocene supported on a polyhedral oligomeric silsesquioxane-modified silica with high catalytic activity for ethylene polymerization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5465-5476.	2.3	21
76	Silica imprinted materials containing pharmaceuticals as a template: textural aspects. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 324-334.	2.4	21
77	Improving the corrosion performance of hybrid sol-gel matrix by modification with phosphonic acid. <i>Progress in Organic Coatings</i> , 2015, 80, 49-58.	3.9	21
78	Petrochemical residue-derived silica-supported titania-magnesium catalysts for the photocatalytic degradation of imidazolium ionic liquids in water. <i>Separation and Purification Technology</i> , 2019, 218, 191-199.	7.9	21
79	Effect of the silica texture on the structure of supported metallocene catalysts. <i>Journal of Molecular Catalysis A</i> , 2009, 298, 40-50.	4.8	20
80	Immobilization of metallocene within silica-titania by a non-hydrolytic sol-gel method. <i>Applied Catalysis A: General</i> , 2009, 354, 88-101.	4.3	20
81	Effect of a Sol-Gel Route on the Preparation of Silica-Based Sorbent Materials Synthesized by Molecular Imprinting for the Adsorption of Dyes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 254-262.	3.7	20
82	The influence of organophosphonic acid and conducting polymer on the adhesion and protection of epoxy coating on aluminium alloy. <i>Progress in Organic Coatings</i> , 2015, 88, 181-190.	3.9	19
83	Hybrid silica based catalysts prepared by the encapsulation of zirconocene compound via non-hydrolytic sol-gel method for ethylene polymerization. <i>Applied Catalysis A: General</i> , 2018, 560, 225-235.	4.3	19
84	Silver nanoparticles encapsulated in silica: Synthesis, characterization and application as antibacterial fillers in the ethylene polymerization. <i>European Polymer Journal</i> , 2019, 117, 38-54.	5.4	19
85	Um novo procedimento de síntese da zeólita A empregando argilas naturais. <i>Química Nova</i> , 2009, 32, 21-25.	0.3	19
86	Metallocene catalyst supported on chemically modified silica for production of ethylene-propylene copolymers. <i>Journal of Molecular Catalysis A</i> , 2003, 197, 223-232.	4.8	18
87	Immobilization of Zirconocene into Silica Prepared by Non-Hydrolytic Sol-Gel Method. <i>Macromolecular Symposia</i> , 2006, 245-246, 77-86.	0.7	18
88	Industrial and agroindustrial wastes: an echotechnological approach to the production of supported photocatalysts. <i>Water Science and Technology</i> , 2016, 73, 28-38.	2.5	18
89	Effect of SiCl <sub>4</sub> on the preparation of functionalized mixed-structure silica from monodisperse sol-gel silica nanoparticles. <i>Chemical Engineering Journal</i> , 2016, 292, 233-245.	12.7	18
90	Residual metal content in Ethylene-Propylene-Diene Monomers synthesized using vanadium- and zirconocene-based catalysts. <i>Journal of Applied Polymer Science</i> , 1999, 74, 1997-2003.	2.6	17

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91	Effects of the type and concentration of alkylaluminum cocatalysts on the molar mass of polypropylene made within situ supported metallocene catalysts. <i>Journal of Applied Polymer Science</i> , 2005, 95, 1050-1055.	2.6	17
92	Synthesis of polyethylene/silica-silver nanocomposites with antibacterial properties by in situ polymerization. <i>European Polymer Journal</i> , 2018, 106, 92-101.	5.4	17
93	Polypropylene obtained with in situ supported metallocene catalysts. <i>Journal of Molecular Catalysis A</i> , 2003, 202, 127-134.	4.8	16
94	Hybrid zirconocene supported catalysts. <i>Journal of Molecular Catalysis A</i> , 2003, 206, 389-398.	4.8	16
95	Reactivity of zirconium and titanium alkoxides bidentate complexes on ethylene polymerization. <i>Journal of Molecular Catalysis A</i> , 2007, 267, 129-136.	4.8	16
96	Octadecylsilane hybrid silicas prepared by the sol-gel method: Morphological and textural aspects. <i>Journal of Colloid and Interface Science</i> , 2007, 312, 326-332.	9.4	16
97	Metallocenes in ethylene polymerization studied by cyclic and differential pulse voltammetry. <i>Applied Catalysis A: General</i> , 2008, 344, 98-106.	4.3	16
98	Ecotechnological strategies in the development of alternative photocatalysts. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017, 6, 63-68.	5.9	16
99	Influence of PMHS loading on the silica surface, on catalyst activity and on properties of resulting polymers. <i>Journal of Molecular Catalysis A</i> , 2003, 197, 233-243.	4.8	15
100	Ethylene polymerization using tris(pyrazolyl)borate vanadium (V) catalysts in situ supported on MAO-modified silica. <i>Journal of Molecular Catalysis A</i> , 2006, 255, 19-24.	4.8	15
101	Determination of the Network Structure of Sensor Materials Prepared by Three Different Sol-Gel Routes Using Fourier Transform Infrared Spectroscopy (FT-IR). <i>Applied Spectroscopy</i> , 2013, 67, 441-447.	2.2	15
102	Heterogeneous Catalysts for Olefin Polymerization: Mathematical Model for Catalyst Particle Fragmentation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 11997-12010.	3.7	15
103	Electrochemical and Catalytic Studies of a Supported Photocatalyst Produced from Petrochemical Residue in the Photocatalytic Degradation of Dexamethasone and Guaifenesin Drugs. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	15
104	Broadening molecular weight polyethylene distribution by tailoring the silica surface environment on supported metallocenes. <i>Applied Surface Science</i> , 2017, 393, 357-363.	6.1	15
105	Hybrid sol-gel silica adsorbent materials synthesized by molecular imprinting for tannin removal. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 85, 446-457.	2.4	15
106	Agro and industrial residues: Potential raw materials for photocatalyst development. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 411, 113184.	3.9	15
107	A theoretical and experimental study about the effect of different organosilanes on immobilization of (nBuCp)2ZrCl2 on pre-treated SiO2. <i>Journal of Molecular Catalysis A</i> , 2001, 172, 97-116.	4.8	14
108	Zirconium alkoxide complexes as catalysts for ethylene polymerization. <i>Journal of Molecular Catalysis A</i> , 2004, 208, 285-290.	4.8	14

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109	Polypropylene Made with In-Situ Supported Me <sub>2</sub> Si(Ind) <sub>2</sub> ZrCl <sub>2</sub> and Me <sub>2</sub> Si(2-Me-Ind) <sub>2</sub> ZrCl <sub>2</sub> Catalysts: Properties Comparison. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 1525-1529.	2.2	14
110	Characterization of the nature of chemical species of heterogeneous Ziegler-Natta catalysts for the production of HDPE. <i>Catalysis Today</i> , 2005, 107-108, 451-457.	4.4	14
111	Combining silica-based adsorbents and SPME fibers in the extraction of the volatiles of beer: an exploratory study. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 549-556.	3.7	14
112	Polymerization of ethylene: Some aspects of metallocene catalyst stabilization under homogeneous and heterogeneous reaction conditions. <i>Journal of Applied Polymer Science</i> , 2011, 119, 3051-3057.	2.6	14
113	Encapsulated alizarin red species: The role of the sol-gel route on the interaction with silica matrix. <i>Powder Technology</i> , 2013, 237, 117-124.	4.2	14
114	Effects of the sol-gel route on the structural characteristics and antibacterial activity of silica-encapsulated gentamicin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 510-517.	5.0	14
115	The sol-gel route effect on the preparation of molecularly imprinted silica-based materials for selective and competitive photocatalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 486, 96-105.	4.7	14
116	Hybrid Thin Film Organosilica Sol-Gel Coatings To Support Neuronal Growth and Limit Astrocyte Growth. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 27553-27563.	8.0	14
117	Dry-gel process for zeolite synthesis: Some fundamental aspects. <i>Microporous and Mesoporous Materials</i> , 2019, 279, 92-98.	4.4	14
118	Reactions of organostannanes with silica, -gamma.-alumina, and silica-alumina. <i>Langmuir</i> , 1993, 9, 3513-3517.	3.5	13
119	Preparation and characterization of W <sup>VI</sup> -Al <sub>2</sub> O <sub>3</sub> and Pd <sup>II</sup> -W <sup>VI</sup> -Al <sub>2</sub> O <sub>3</sub> catalysts from organometallic precursors. The catalytic activity for NO decomposition. <i>Journal of Molecular Catalysis A</i> , 1999, 137, 287-295.	4.8	13
120	Ethylene Polymerization using Combined Ni and Ti Catalysts Supported in situ on MAO-Modified Silica. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 72-77.	3.6	13
121	Vibrational spectra of silsesquioxanes impregnated with the metallocene catalyst bis(1-5-cyclopentadienyl)zirconium(IV) dichloride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 956-969.	3.9	13
122	Effect of textural characteristics of supported metallocenes on ethylene polymerization. <i>Journal of Materials Science</i> , 2010, 45, 1760-1768.	3.7	13
123	The effects of partial replacement of TiCl <sub>4</sub> by Ti(OR) <sub>4</sub> on the performance of MgCl <sub>2</sub> -supported Ziegler-Natta catalysts. <i>Applied Catalysis A: General</i> , 2012, 423-424, 69-77.	4.3	13
124	Silica-supported metallocene catalyst poisoning: The effect of surface modification on the efficiency of the catalytic system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 565, 36-46.	4.7	13
125	Immobilization of zirconocene within silica-tungsten by entrapment: Tuning electronic effects of the support on the supported complex. <i>Applied Catalysis A: General</i> , 2009, 370, 114-122.	4.3	12
126	Ethylene homo- and copolymerization using (nBuCp) <sub>2</sub> ZrCl <sub>2</sub> grafted on silica modified with different spacers. <i>Journal of Molecular Catalysis A</i> , 2004, 210, 149-156.	4.8	11



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127	Determination of Mg, Ti and Cl in Ziegler-Natta catalysts by WDXRF. <i>Analytica Chimica Acta</i> , 2004, 512, 359-367.	5.4	11
128	Ethylene and Propylene Polymerization Using In Situ Supported Me <sub>2</sub> Si(Ind) <sub>2</sub> ZrCl <sub>2</sub> Catalyst: Experimental and Theoretical Study. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 279-287.	3.6	11
129	Polycyclic aromatic hydrocarbons in sediments from Rodrigo de Freitas Lagoon in the urban area of Rio de Janeiro, Brasil. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 399-404.	1.7	11
130	New architecture of supported metallocene catalysts for alkene polymerization. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5480-5486.	2.3	11
131	Thermal stability of octadecylsilane hybrid silicas prepared by grafting and sol-gel methods. <i>Thermochimica Acta</i> , 2008, 469, 91-97.	2.7	11
132	Metallocene catalyst supported on silica-magnesia xerogels for ethylene polymerization. <i>Applied Catalysis A: General</i> , 2010, 382, 106-114.	4.3	11
133	Quantification of indicator content in silica-based pH solid sensors by diffuse reflectance spectroscopy. <i>Analytical Methods</i> , 2011, 3, 2416.	2.7	11
134	Designing polyethylene characteristics by modification of the support for FI catalyst. <i>Molecular Catalysis</i> , 2017, 434, 1-6.	2.0	11
135	Hybrid sol-gel silica adsorbent material based on grape stalk applied to cationic dye removal. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13398.	2.3	11
136	Dynamic simulation and experimental evaluation of EPDM terpolymerization with vanadium-based catalyst. <i>Journal of Applied Polymer Science</i> , 1998, 70, 1173-1189.	2.6	10
137	Evaluation of zirconocene-based silica phases in organochloride pesticides preconcentration. <i>Journal of Colloid and Interface Science</i> , 2006, 299, 163-171.	9.4	10
138	Ethylene polymerization and copolymerization with 10-undeceneol using the catalyst system DADNi(NCS) <sub>2</sub> /MAO. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5199-5208.	2.3	10
139	Mass transfer in olefin polymerization: estimative of macro- and microscale diffusion coefficients through the swollen polymer. <i>Chemical Engineering Science</i> , 2008, 63, 3727-3739.	3.8	10
140	On the interaction of encapsulated pH indicator species within a silica matrix produced by three sol-gel routes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 392, 256-263.	4.7	10
141	Dual-target sensors: the effect of the encapsulation route on pH measurements and ammonia monitoring. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 209-218.	2.4	10
142	Biodiesel water in oil microemulsions: ferrocene as a hydrophobic probe for direct analysis by differential pulse voltammetry at a Pt ultramicroelectrode. <i>Analytical Methods</i> , 2014, 6, 9212-9219.	2.7	10
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