

# Maria do Rosário Ribeiro

## List of Publications by Year in descending order

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68  
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361296  
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1272  
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#	ARTICLE	IF	CITATIONS
1	Unique stiffness-deformability features of dendrimeric silica reinforced HDPE nanocomposites obtained by an innovative route. <i>Microporous and Mesoporous Materials</i> , 2022, 331, 111619.	2.2	3
2	Nanocomposites of PCL and SBA-15 Particles Prepared by Extrusion: Structural Characteristics, Confinement of PCL Chains within SBA-15 Nanometric Channels and Mechanical Behavior. <i>Polymers</i> , 2022, 14, 129.	2.0	6
3	Assessment of acidity and the zeolite porous structure on hydrocracking of HDPE. <i>Sustainable Energy and Fuels</i> , 2022, 6, 3611-3625.	2.5	6
4	A thermogravimetric study of HDPE conversion under a reductive atmosphere. <i>Catalysis Today</i> , 2021, 379, 192-204.	2.2	11
5	Innovative route for the preparation of high-performance polyolefin materials based on unique dendrimeric silica particles. <i>Polymer Chemistry</i> , 2021, 12, 4546-4556.	1.9	5
6	Local Induction Heating Capabilities of Zeolites Charged with Metal and Oxide MNPs for Application in HDPE Hydrocracking: A Proof of Concept. <i>Materials</i> , 2021, 14, 1029.	1.3	7
7	H-USY and H-ZSM-5 zeolites as catalysts for HDPE conversion under a hydrogen reductive atmosphere. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1134-1147.	2.5	13
8	Confinement in Extruded Nanocomposites Based on PCL and Mesoporous Silicas: Effect of Pore Sizes and Their Influence in Ultimate Mechanical Response. <i>Journal of Composites Science</i> , 2021, 5, 321.	1.4	5
9	Improvement of viscoelastic, elastic and plastic properties of Poly(L-lactide)/Graphene Oxide-Graft-Poly(L-lactide) nanocomposites by modulation of grafted chain length. <i>Composites Science and Technology</i> , 2020, 199, 108350.	3.8	3
10	Induction Heating in Nanoparticle Impregnated Zeolite. <i>Materials</i> , 2020, 13, 4013.	1.3	8
11	Extraordinary mechanical performance in disentangled UHMWPE films processed by compression molding. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 90, 202-207.	1.5	11
12	Aluminum Containing Dendrimeric Silica Nanoparticles as Promising Metallocene Catalyst Supports for Ethylene Polymerization. <i>ChemCatChem</i> , 2018, 10, 3761-3769.	1.8	4
13	Hybrid materials obtained by in situ polymerization based on polypropylene and mesoporous SBA-15 silica particles: Catalytic aspects, crystalline details and mechanical behavior. <i>Polymer</i> , 2018, 151, 218-230.	1.8	19
14	New route to functional polyolefins: sulfonation of poly[ethylene-co-(5,7-dimethylocta-1,6-diene)] and evaluation of properties. <i>Polymer International</i> , 2017, 66, 1005-1012.	1.6	1
15	Reactivity of cationic $\hat{\pm}$ -diimine cyclopentadienyl nickel complexes towards AlEt <sub>2</sub> Cl: synthesis, characterisation and ethylene polymerisation. <i>Catalysis Science and Technology</i> , 2017, 7, 3128-3142.	2.1	6
16	UHMWPE/HDPE in-reactor blends, prepared by in situ polymerization: Synthetic aspects and characterization. <i>EXPRESS Polymer Letters</i> , 2017, 11, 344-361.	1.1	15
17	A New Post-Metallocene-Ti Catalyst with Maltolate Bidentate Ligand: an Investigation in Heterogeneous Polymerization Reactions in Different Mesoporous Supports. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	0
18	Preparation of polypropylene-based nanocomposites using nanosized MCM-41 as support and <i>in situ</i> polymerization. <i>Polymer International</i> , 2016, 65, 320-326.	1.6	7

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19	Hafnocene catalyst for polyethylene and its nanocomposites with SBA-15 by in situ polymerization: Immobilization approaches, catalytic behavior and properties evaluation. <i>European Polymer Journal</i> , 2016, 85, 298-312.	2.6	7
20	Hybrid materials based on polyethylene and MCM-41 microparticles functionalized with silanes: Catalytic aspects of in situ polymerization, crystalline features and mechanical properties. <i>Microporous and Mesoporous Materials</i> , 2016, 232, 86-96.	2.2	26
21	UHMWPE/SBA-15 nanocomposites synthesized by in situ polymerization. <i>Microporous and Mesoporous Materials</i> , 2016, 232, 13-25.	2.2	21
22	Studies on PLA grafting onto graphene oxide and its effect on the ensuing composite films. <i>Materials Chemistry and Physics</i> , 2015, 166, 122-132.	2.0	27
23	Thermo and photo-oxidation of functionalized metallocene high density polyethylene: Effect of hydrophilic groups. <i>Polymer Degradation and Stability</i> , 2015, 111, 78-88.	2.7	36
24	Copolymerisation of $\epsilon$ -caprolactone and trimethylene carbonate catalysed by methanesulfonic acid. <i>European Polymer Journal</i> , 2013, 49, 4025-4034.	2.6	17
25	Decorated MCM-41/polyethylene hybrids: Crystalline details and viscoelastic behavior. <i>Polymer</i> , 2013, 54, 2611-2620.	1.8	25
26	Functionalization of Mesoporous MCM-41 (Nano)particles: Preparation Methodologies, Role on Catalytic Features, and Dispersion Within Polyethylene Nanocomposites. <i>ChemCatChem</i> , 2013, 5, 966-976.	1.8	14
27	A New Insight Into the Mechanism of the Ring-Opening Polymerization of Trimethylene Carbonate Catalyzed by Methanesulfonic Acid. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 85-93.	1.1	17
28	Nanostructured silica materials in olefin polymerisation: From catalytic behaviour to polymer characteristics. <i>Progress in Polymer Science</i> , 2012, 37, 1764-1804.	11.8	59
29	Gas permeability properties of decorated MCM-41/polyethylene hybrids prepared by in-situ polymerization. <i>Journal of Membrane Science</i> , 2012, 415-416, 702-711.	4.1	42
30	<sup>1</sup> H-NMR study of maleic anhydride modified ethylene-diene copolymers. <i>Journal of Polymer Research</i> , 2011, 18, 527-532.	1.2	8
31	Metallocene ethylene-co-(5,7-dimethylocta-1,6-diene) copolymers crosslinked using electron beam irradiation: a tunable alternative. <i>Polymer International</i> , 2011, 60, 1309-1317.	1.6	3
32	Hybrid HDPE/MCM-41 nanocomposites: Crystalline structure and viscoelastic behaviour. <i>Microporous and Mesoporous Materials</i> , 2010, 130, 215-223.	2.2	40
33	Novel Supports for Ethylene Polymerisation Based on Polystyrene Polymers. <i>Macromolecular Symposia</i> , 2010, 296, 11-20.	0.4	0
34	Self-Reinforced Hybrid Polyethylene/MCM-41 Nanocomposites: In-Situ Polymerisation and Effect of MCM-41 Content on Rigidity. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3966-3974.	0.9	34
35	Mesoporous Ga-MCM-41 as support for metallocene catalysts: Acidity-activity relationship. <i>Journal of Molecular Catalysis A</i> , 2009, 310, 1-8.	4.8	20
36	Crosslinking in metallocene ethylene-co-5,7-dimethylocta-1,6-diene copolymers initiated by electron-beam irradiation. <i>Polymer</i> , 2009, 50, 1095-1102.	1.8	14

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37	Maleic anhydride modified ethylene- $\alpha$ -diene copolymers: Synthesis and properties. <i>Reactive and Functional Polymers</i> , 2008, 68, 519-526.	2.0	22
38	Synthesis, characterisation and solid state structures of $\eta^5$ -diimine cobalt(II) complexes: Ethylene polymerisation tests. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 769-775.	0.8	45
39	Mesoporous Ga-MCM-41: A very efficient support for the heterogenisation of metallocene catalysts. <i>Catalysis Communications</i> , 2008, 10, 71-73.	1.6	21
40	Ethylene/10-Undecenoic Acid Copolymers Prepared with Different Metallocene Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 841-850.	1.1	12
41	Novel Organic Activators for Single Site Iron Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 815-822.	1.1	5
42	Ethylene polymerisation with zirconocene supported in Al-modified MCM-41: Catalytic behaviour and polymer properties. <i>Journal of Molecular Catalysis A</i> , 2007, 277, 93-101.	4.8	30
43	Evolution of a Metallocenic sPP with Time: Changes in Crystalline Content and Enthalpic Relaxation. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 1564-1574.	1.1	3
44	Living and block polymerization of $\alpha$ -olefins using a Ni(II)- $\eta^5$ -diimine catalyst containing OSiPh <sub>2</sub> tBu groups. <i>Polymer</i> , 2005, 46, 2122-2132.	1.8	55
45	Synthesis of polyolefin based materials with improved thermo-oxidative stability. <i>Macromolecular Symposia</i> , 2004, 213, 347-356.	0.4	2
46	Metallocenic copolymers of ethylene and 5,7-dimethylocta-1,6-diene: Structural characterization and mechanical behavior. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 3797-3808.	2.4	7
47	Copolymerization of ethylene and non-conjugated diene with metallocene/methylaluminumoxane system supported on MCM-41 mesoporous material. <i>European Polymer Journal</i> , 2004, 40, 2555-2563.	2.6	7
48	Structural characterization and mechanical behavior of metallocenic copolymers of ethylene and 5,7-dimethylocta-1,6-diene. <i>Macromolecular Symposia</i> , 2004, 213, 315-326.	0.4	0
49	Functionalisation of Polyolefins: Grafting of Phenol Groups on Olefin/5,7-Dimethylocta-1,6-diene Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 1889-1897.	1.1	6
50	[( $\eta^5$ -C <sub>5</sub> Me <sub>4</sub> )SiMe <sub>2</sub> (N <sub>tert</sub> Bu)]TiCl <sub>2</sub> as Pre-Catalyst for the Copolymerisation of Ethylene with 5,7-Dimethylocta-1,6-diene and with 3,7-Dimethylocta-1,6-diene. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 139-145.	1.1	18
51	Title is missing!. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 1983-1987.	1.1	3
52	Addition polymerisation of 5-vinyl-2-norbornene with nickel bis(acetyl acetonate)/methylaluminumoxane system. <i>Journal of Molecular Catalysis A</i> , 2002, 185, 81-85.	4.8	16
53	Polymerization of Ethylene by the Electrophilic Heteroscorpionate-Containing Complexes [TiCl <sub>3</sub> (bdmpza)] and [TiCl <sub>2</sub> (bdmpza){O(CH <sub>2</sub> ) <sub>4</sub> Cl}] (bdmpza = Bis(3,5-dimethylpyrazol-1-yl)acetate). <i>Organometallics</i> , 2001, 20, 2428-2430.	1.1	64
54	Structural characteristics and gas permeation properties of polynorbornenes with retained bicyclic structure. <i>Polymer</i> , 2001, 42, 2455-2462.	1.8	90

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55	Experimental evidence of the glass transition in a metallocene ethylene-1-octene copolymer and its composites with glass fibre. <i>Polymer</i> , 2001, 42, 7197-7202.	1.8	19
56	Metallocene-Catalysed Copolymerisation of Ethylene with 10-Undecenoic Acid: The Effect of Experimental Conditions. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 2195-2201.	1.1	15
57	Transition Metal Complexes as Catalysts for the Homo- and Copolymerisation of Olefins and Non-Conjugated Dienes. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 3043-3048.	1.1	23
58	Homo- and copolymerisation of norbornene and styrene with nickel bis(acetyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (acetate)	2.6	48
59	Improved adhesion of polyethylene by copolymerisation of ethylene with polar monomers. <i>Chemical Engineering Science</i> , 2001, 56, 4191-4196.	1.9	27
60	Dynamic mechanical relaxations and microhardness indentations of styrene-ethylene copolymers obtained with heterogeneous catalysts. <i>European Polymer Journal</i> , 2000, 36, 879-887.	2.6	3
61	Synthesis of Zirconium(IV) Monocyclopentadienyl Aryloxy Complexes and Their Use in Catalytic Ethylene Polymerization. X-ray Structure of (1-5-C5Me5)Zr{2,6-OC6H3(CH3)2}3. <i>Organometallics</i> , 2000, 19, 2837-2843.	1.1	52
62	Supported Metallocene Complexes for Ethylene and Propylene Polymerizations: Preparation and Activity. <i>Industrial &amp; Engineering Chemistry Research</i> , 1997, 36, 1224-1237.	1.8	210
63	Isospecific homo- and copolymerization of styrene with ethylene in the presence of VCl3, AlCl3 as catalyst. <i>Macromolecular Rapid Communications</i> , 1996, 17, 461-469.	2.0	20
64	Kinetic investigation of parameters governing the high-temperature polymerization of ethylene initiated by supported VCl3 catalytic systems. <i>European Polymer Journal</i> , 1996, 32, 811-819.	2.6	4
65	Homo and copolymerization of ethylene: improvement of supported vanadium catalysts performance by halocarbons. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 3833-3844.	1.1	10
66	Resolution of DSC thermograms of LLDPE: a route to an analytical characterization of comonomer units distribution. <i>Polimery</i> , 1994, 39, 616-619.	0.4	3
67	Synthesis and activity of vanadium-based supported catalysts for ethylene polymerization. <i>Applied Catalysis A: General</i> , 1993, 102, 1-12.	2.2	5
68	Evaluation of the heterogeneity in linear low-density polyethylene comonomer unit distribution by differential scanning calorimetry characterization of thermally treated samples. <i>Polymer</i> , 1992, 33, 4337-4342.	1.8	113