

# Yuri Reyes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9069847/publications.pdf>

Version: 2024-02-01

43  
papers

890  
citations

361413

20  
h-index

477307

29  
g-index

44  
all docs

44  
docs citations

44  
times ranked

792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting Chain Transfer to Polymer and Branching in Controlled Radical Polymerization of Butyl Acrylate. <i>Macromolecular Rapid Communications</i> , 2011, 32, 63-67.	3.9	54
2	Thermodynamic properties of short-range square well fluid. <i>Journal of Chemical Physics</i> , 2006, 125, 084508.	3.0	50
3	Analyzing the discrepancies in the activation energies of the backbiting and $\beta^2$ -scission reactions in the radical polymerization of n-butyl acrylate. <i>Polymer Chemistry</i> , 2016, 7, 2069-2077.	3.9	48
4	High-Shear-Strength Waterborne Polyurethane/Acrylic Soft Adhesives. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 612-623.	3.6	46
5	Some universal trends of the Mie (<math>\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \text{tj ETQq1 1 0.784314 rgb1 /Overbo}</math>) thermodynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 7024-7027.	2.1	44
6	A New Insight into the Formation of Polymer Networks: A Kinetic Monte Carlo Simulation of the Cross-Linking Polymerization of S/DVB. <i>Macromolecules</i> , 2013, 46, 9064-9073.	4.8	44
7	Modeling the equilibrium morphology of nanodroplets in the presence of nanofillers. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 359-365.	9.4	39
8	Detailed Microstructure Investigation of Acrylate/Methacrylate Functional Copolymers by Kinetic Monte Carlo Simulation. <i>Macromolecular Reaction Engineering</i> , 2012, 6, 319-329.	1.5	35
9	Mechanistic investigation of the simultaneous addition and free-radical polymerization in batch miniemulsion droplets: Monte Carlo simulation versus experimental data in polyurethane/acrylic systems. <i>Polymer</i> , 2014, 55, 4801-4811.	3.8	33
10	Morphology of Polymer/Clay Latex Particles Synthesized by Miniemulsion Polymerization: Modeling and Experimental Results. <i>Macromolecular Reaction Engineering</i> , 2010, 4, 432-444.	1.5	32
11	Transformation of waterborne hybrid polymer particles into films: Morphology development and modeling. <i>Polymer</i> , 2012, 53, 1098-1108.	3.8	31
12	Modeling of Drying in Films of Colloidal Particles. <i>Langmuir</i> , 2005, 21, 7057-7060.	3.5	30
13	Simultaneous Free-Radical and Addition Miniemulsion Polymerization: Effect of the Chain Transfer Agent on the Microstructure of Polyurethane-Acrylic Pressure-Sensitive Adhesives. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 53-66.	3.6	28
14	Morphology of Three-Phase PS/PBA Composite Latex Particles Containing in Situ Produced Block Copolymers. <i>Macromolecules</i> , 2010, 43, 1356-1363.	4.8	26
15	Encapsulation of Clay within Polymer Particles in a High-Solids Content Aqueous Dispersion. <i>Langmuir</i> , 2013, 29, 9849-9856.	3.5	25
16	Modeling the Mini-Emulsion Copolymerization of N-Butyl Acrylate with a Water-Soluble Monomer: A Monte Carlo Approach. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 8996-9003.	3.7	25
17	Branching at High Frequency Pulsed Laser Polymerizations of Acrylate Monomers. <i>Macromolecules</i> , 2011, 44, 3674-3679.	4.8	23
18	Waterborne hybrid polymer particles: Tuning of the adhesive performance by controlling the hybrid microstructure. <i>European Polymer Journal</i> , 2013, 49, 1541-1552.	5.4	22

#	ARTICLE	IF	CITATIONS
19	Effect of the acrylic acid content on the permeability and water uptake of poly(styrene-co-butyl) Tj ETQq1 1 0.784314 rgBT /Qyerlock 10	2.1	21
20	Modeling multiphase latex particle equilibrium morphology. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2579-2583.	2.3	21
21	Properties of films obtained from aqueous polymer dispersions: study of drying rate and particle polydispersity effects. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2007, 15, 355-368.	2.0	20
22	Beneficial in-situ incorporation of nanoclay to waterborne PVAc/PVOH dispersion adhesives for wood applications. <i>International Journal of Adhesion and Adhesives</i> , 2014, 48, 295-302.	2.9	20
23	Characterisation of an anticorrosive phosphated surfactant and its use in water-borne coatings. <i>Progress in Organic Coatings</i> , 2005, 52, 366-371.	3.9	19
24	Copolymerization of <i>n</i> -Butyl Acrylate and Styrene: Terminal vs Penultimate Model. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1668-1678.	2.2	18
25	Bulk Crosslinking Copolymerization: Comparison of Different Modeling Approaches. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 678-695.	1.5	17
26	Modeling the Microstructure of Acrylic-Polyurethane Hybrid Polymers Synthesized by Miniemulsion Polymerization. <i>Macromolecular Reaction Engineering</i> , 2011, 5, 352-360.	1.5	15
27	Ostwald ripening in nano/miniemulsions in the presence of two costabilizers as revealed by molecular dynamics simulations. <i>Journal of Molecular Liquids</i> , 2021, 335, 116152.	4.9	14
28	Comparison of different abrasion mechanisms on the barrier properties of organic coatings. <i>Wear</i> , 2008, 265, 1820-1825.	3.1	12
29	Quantitative study on the homogeneity of networks synthesized by nitroxide-mediated radical copolymerization of styrene and divinylbenzene. <i>European Polymer Journal</i> , 2016, 85, 244-255.	5.4	11
30	Cationic 1,2,3-Triazolium Alkynes: Components To Enhance 1,4-Regioselective Azide-Alkyne Cycloaddition Reactions. <i>Organic Letters</i> , 2016, 18, 788-791.	4.6	9
31	Effect of the Incorporation of Modified Silicas on the Final Properties of Wood Adhesives. <i>Macromolecular Reaction Engineering</i> , 2013, 7, 527-537.	1.5	8
32	Thermodynamic properties of triangle-well fluids in two dimensions: MC and MD simulations. <i>Journal of Chemical Physics</i> , 2016, 145, 174505.	3.0	8
33	Soft Core-Hard Shell Silicone Hybrid Nanoparticles Synthesized by Miniemulsion Polymerization: Effect of Silicone Content and Crosslinking on Latex Film Properties. <i>Australian Journal of Chemistry</i> , 2011, 64, 1054.	0.9	6
34	Coexistence and interfacial properties of a triangle-well mimicking the Lennard-Jones fluid and a comparison with noble gases. <i>Journal of Chemical Physics</i> , 2015, 142, 074706.	3.0	6
35	Structure of liquid-vapor interface of square well fluid confined in a cylindrical pore. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 799-805.	2.6	5
36	Common behavior of the critical properties of the 2D and 3D square-well fluids. <i>Journal of Chemical Physics</i> , 2013, 139, 164505.	3.0	5

#	ARTICLE	IF	CITATIONS
37	Vapor-liquid phase diagrams and structure of a square-well fluid confined in weakly attractive cylindrical pores. <i>Fluid Phase Equilibria</i> , 2012, 336, 28-33.	2.5	4
38	Phase behaviour of short range triangle well fluids: A comparison with lysozyme suspensions. <i>Journal of Molecular Liquids</i> , 2017, 225, 723-729.	4.9	4
39	Pressure-Sensitive Adhesives Based on Nanostructured Latex Particles. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2006, 55, 595-604.	3.4	3
40	Development of New Carpet Backings Based on Composite Polymer Particles. <i>Journal of Reinforced Plastics and Composites</i> , 2006, 25, 1897-1901.	3.1	3
41	Latex film performance of styrene-acrylic particles functionalized with acrylic acid. <i>Journal of Applied Polymer Science</i> , 2009, 113, 553-557.	2.6	2
42	The Sutherland potential in the context of the extended law of corresponding states. <i>Journal of Molecular Liquids</i> , 2019, 294, 111606.	4.9	2
43	On the Recovery of PLP-Molar Mass Distribution at High Laser Frequencies: A Simulation Study. <i>Processes</i> , 2019, 7, 501.	2.8	2