

Leire Ruiz-Rubio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3374803/publications.pdf>

Version: 2024-02-01

86
papers

1,612
citations

236612

25
h-index

329751

37
g-index

88
all docs

88
docs citations

88
times ranked

2107
citing authors

#	ARTICLE	IF	CITATIONS
1	Lignin-Based Hydrogels: Synthesis and Applications. <i>Polymers</i> , 2020, 12, 81.	2.0	118
2	Zero-Valent Iron Nanoparticles for Soil and Groundwater Remediation. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5817.	1.2	97
3	Antibacterial Coatings for Improving the Performance of Biomaterials. <i>Coatings</i> , 2020, 10, 139.	1.2	71
4	Polycarbazole and Its Derivatives: Synthesis and Applications. A Review of the Last 10 Years. <i>Polymers</i> , 2020, 12, 2227.	2.0	68
5	Poly(ϵ -lactide)/zno nanocomposites as efficient UV-shielding coatings for packaging applications. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	57
6	Antibacterial hyaluronic acid/chitosan multilayers onto smooth and micropatterned titanium surfaces. <i>Carbohydrate Polymers</i> , 2019, 207, 824-833.	5.1	56
7	Self-healable hyaluronic acid/chitosan polyelectrolyte complex hydrogels and multilayers. <i>European Polymer Journal</i> , 2019, 120, 109268.	2.6	55
8	Determining the Deacetylation Degree of Chitosan: Opportunities To Learn Instrumental Techniques. <i>Journal of Chemical Education</i> , 2018, 95, 1022-1028.	1.1	54
9	Suppressing the Thermal and Ultraviolet Sensitivity of Kevlar by Infiltration and Hybridization with ZnO. <i>Chemistry of Materials</i> , 2017, 29, 10068-10074.	3.2	50
10	Chitosan nanogels as nanocarriers of polyoxometalates for breast cancer therapies. <i>Carbohydrate Polymers</i> , 2019, 213, 159-167.	5.1	48
11	TiO ₂ -Doped Electrospun Nanofibrous Membrane for Photocatalytic Water Treatment. <i>Polymers</i> , 2019, 11, 747.	2.0	44
12	Antibacterial multilayer of chitosan and (2-carboxyethyl)- β -cyclodextrin onto polylactic acid (PLLA). <i>Food Hydrocolloids</i> , 2019, 88, 228-236.	5.6	43
13	Characterization and Optimization of the Alkaline Hydrolysis of Polyacrylonitrile Membranes. <i>Polymers</i> , 2019, 11, 1843.	2.0	39
14	Towards the development of eco-friendly disposable polymers: ZnO-initiated thermal and hydrolytic degradation in poly(ϵ -lactide)/ZnO nanocomposites. <i>RSC Advances</i> , 2016, 6, 15660-15669.	1.7	37
15	β -Glycerol phosphate/genipin chitosan hydrogels: A comparative study of their properties and diclofenac delivery. <i>Carbohydrate Polymers</i> , 2020, 248, 116811.	5.1	35
16	Polysaccharide-Based In Situ Self-Healing Hydrogels for Tissue Engineering Applications. <i>Polymers</i> , 2020, 12, 2261.	2.0	34
17	State of the art and current trends on layered inorganic-polymer nanocomposite coatings for anticorrosion and multi-functional applications. <i>Progress in Organic Coatings</i> , 2022, 163, 106684.	1.9	34
18	Evaluation of postcuring process on the thermal and mechanical properties of the Clear02 [®] resin used in stereolithography. <i>Polymer Testing</i> , 2018, 72, 115-121.	2.3	32

#	ARTICLE	IF	CITATIONS
19	U-Shaped and Surface Functionalized Polymer Optical Fiber Probe for Glucose Detection. <i>Sensors</i> , 2018, 18, 34.	2.1	31
20	Stimuli responsive UV cured polyurethane acrylated/carbon nanotube composites for piezoresistive sensing. <i>European Polymer Journal</i> , 2019, 120, 109226.	2.6	29
21	Synthesis and Characterization of Covalently Crosslinked pH-Responsive Hyaluronic Acid Nanogels: Effect of Synthesis Parameters. <i>Polymers</i> , 2019, 11, 742.	2.0	29
22	From isolated to 2D coordination polymers based on 6-aminonicotinate and 3d-metal ions: towards field-induced single-ion-magnets. <i>CrystEngComm</i> , 2017, 19, 2229-2242.	1.3	28
23	Formulation of Carbopol®/Poly(2-ethyl-2-oxazoline)s Mucoadhesive Tablets for Buccal Delivery of Hydrocortisone. <i>Polymers</i> , 2018, 10, 175.	2.0	27
24	Wound healing and antibacterial chitosan-genipin hydrogels with controlled drug delivery for synergistic anti-inflammatory activity. <i>International Journal of Biological Macromolecules</i> , 2022, 203, 679-694.	3.6	27
25	Development of multiactive antibacterial multilayers of hyaluronic acid and chitosan onto poly(ethylene terephthalate). <i>European Polymer Journal</i> , 2019, 112, 31-37.	2.6	26
26	pH responsive surfaces with nanoscale topography. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2982-2990.	2.5	25
27	Branched and ionic β -Cyclodextrins multilayer assembling onto polyacrylonitrile membranes for removal and controlled release of triclosan. <i>Carbohydrate Polymers</i> , 2017, 156, 143-151.	5.1	23
28	Antibacterial catechol-based hyaluronic acid, chitosan and poly (N-vinyl pyrrolidone) coatings onto Ti6Al4V surfaces for application as biomedical implant. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1222-1235.	3.6	23
29	Liquid-Core Microstructured Polymer Optical Fiber as Fiber-Enhanced Raman Spectroscopy Probe for Glucose Sensing. <i>Journal of Lightwave Technology</i> , 2019, 37, 2981-2988.	2.7	22
30	Preparation and characterization of soluble branched ionic β -cyclodextrins and their inclusion complexes with triclosan. <i>Carbohydrate Polymers</i> , 2016, 142, 149-157.	5.1	21
31	Biocompatible hyaluronic acid-divinyl sulfone injectable hydrogels for sustained drug release with enhanced antibacterial properties against <i>Staphylococcus aureus</i> . <i>Materials Science and Engineering C</i> , 2021, 125, 112102.	3.8	21
32	Polymers beyond standard optical fibres – fabrication of microstructured polymer optical fibres. <i>Polymer International</i> , 2018, 67, 1155-1163.	1.6	18
33	Biomaterials obtained by photopolymerization: from UV to two photon. <i>Emergent Materials</i> , 2020, 3, 453-468.	3.2	18
34	Polysaccharide polyelectrolyte multilayer coating on poly(ethylene terephthalate). <i>Polymer International</i> , 2016, 65, 915-920.	1.6	17
35	Antibacterial chitosan electrostatic/covalent coating onto biodegradable poly (l-lactic acid). <i>Food Hydrocolloids</i> , 2020, 105, 105835.	5.6	17
36	Associative and segregative phase separations of poly(N-tert-butylacrylamide)/poly(acrylic acid) mixtures. Effect of solvent. <i>Colloid and Polymer Science</i> , 2010, 288, 1593-1599.	1.0	16

#	ARTICLE	IF	CITATIONS
37	Plasma poly(acrylic acid) compatibilized hydroxyapatite-poly(lactide) biocomposites for their use as body-absorbable osteosynthesis devices. <i>Composites Science and Technology</i> , 2018, 161, 66-73.	3.8	16
38	Influence of $\hat{1}\pm$ -methyl substitutions on interpolymer complexes formation between poly(meth)acrylic acids and poly(N-isopropyl(meth)acrylamide)s. <i>Colloid and Polymer Science</i> , 2015, 293, 1447-1455.	1.0	15
39	Hybrid Organic-Inorganic Membranes for Photocatalytic Water Remediation. <i>Catalysts</i> , 2022, 12, 180.	1.6	15
40	Polymer-polymer complexes of poly(N-isopropylacrylamide) and poly(N,N-diethylacrylamide) with poly(carboxylic acids): a comparative study. <i>Colloid and Polymer Science</i> , 2014, 292, 423-430.	1.0	14
41	Laser-activated screen-printed carbon electrodes for enhanced dopamine determination in the presence of ascorbic and uric acid. <i>Electrochimica Acta</i> , 2021, 399, 139374.	2.6	14
42	Thermal behaviour of H-bonded interpolymer complexes based on polymers with acrylamide or lactame groups and poly(acrylic acid): Influence of N-alkyl and $\hat{1}\pm$ -methyl substitutions. <i>Polymer Degradation and Stability</i> , 2014, 109, 147-153.	2.7	13
43	Laser-induced highly oriented pyrolytic graphite for high-performance screen-printed electrodes. <i>Materials Advances</i> , 2021, 2, 5912-5921.	2.6	12
44	Polysaccharide-Based Superabsorbents: Synthesis, Properties, and Applications. <i>Polymers and Polymeric Composites</i> , 2019, , 1393-1431.	0.6	10
45	Energetic study of ultrasonic wettability enhancement. <i>Ultrasonics Sonochemistry</i> , 2021, 79, 105768.	3.8	10
46	Synthesis and characterization of near-infrared fluorescent and magnetic iron zero-valent nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 315, 1-7.	2.0	9
47	Reversible functionalization of nanostructured polymer surfaces via stimuli-responsive interpolymer complexes. <i>European Polymer Journal</i> , 2013, 49, 130-138.	2.6	7
48	Solvent and relative humidity effect on highly ordered polystyrene honeycomb patterns analyzed by Voronoi tessellation. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	7
49	Harnessing Deep-Hole Drilling to Fabricate Air-Structured Polymer Optical Fibres. <i>Polymers</i> , 2019, 11, 1739.	2.0	7
50	Influence of N-alkyl and $\hat{1}\pm$ -substitutions on the thermal behaviour of H-bonded interpolymer complexes based on polymers with acrylamide or lactame groups and poly(4-vinylphenol). <i>Thermochimica Acta</i> , 2015, 614, 191-198.	1.2	6
51	Active release coating of multilayer assembled branched and ionic $\hat{2}$ -cyclodextrins onto poly(ethylene) Tj ETQq1 1 0.784314 ggBT /Ov	5.1	14
52	Immobilization of Polyoxometalates on Tailored Polymeric Surfaces. <i>Nanomaterials</i> , 2018, 8, 142.	1.9	6
53	Non-Immersion Ultrasonic Cleaning: An Efficient Green Process for Large Surfaces with Low Water Consumption. <i>Processes</i> , 2021, 9, 585.	1.3	6
54	Short-term stability assessment for the analysis of emerging contaminants in seawater. <i>Environmental Science and Pollution Research</i> , 2019, 26, 23861-23872.	2.7	5

#	ARTICLE	IF	CITATIONS
55	Hydrolysis of poly(l-lactide)/ZnO nanocomposites with antimicrobial activity. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47786.	1.3	5
56	Poly(l-lactide)-Based Anti-Inflammatory Responsive Surfaces for Surgical Implants. <i>Polymers</i> , 2021, 13, 34.	2.0	5
57	Associative and segregative phase behaviour in mixtures of poly(N-tert-butylacrylamide) and poly(N,N-diethylacrylamide) with poly(4-vinylphenol): effect of solvent and concentration. <i>Colloid and Polymer Science</i> , 2013, 291, 2495-2502.	1.0	4
58	Design of epoxy-silica hybrids based on cycloaliphatic diol of natural origin for conservation of lithic materials. <i>Progress in Organic Coatings</i> , 2021, 151, 106028.	1.9	4
59	Tough Hydrogels Based on Maleic Anhydride, Bulk Properties Study and Microfiber Formation by Electrospinning. <i>Polymers</i> , 2021, 13, 972.	2.0	4
60	Biodegradable Shape-Memory Polymers. <i>Advanced Structured Materials</i> , 2020, , 219-236.	0.3	3
61	Photocurable temperature activated humidity hybrid sensing materials for multifunctional coatings. <i>Polymer</i> , 2021, 221, 123635.	1.8	3
62	Spontaneous Gelation of Adhesive Catechol Modified Hyaluronic Acid and Chitosan. <i>Polymers</i> , 2022, 14, 1209.	2.0	3
63	Toward Advanced Functional Systems: Honeycomb-Like Polymeric Surfaces Incorporating Polyoxovanadates with Surface-Appended Copper-Cyclam Complexes. <i>Molecules</i> , 2019, 24, 2313.	1.7	2
64	The Effect of the Isomeric Chlorine Substitutions on the Honeycomb-Patterned Films of Poly(α -chlorostyrene)s/Polystyrene Blends and Copolymers via Static Breath Figure Technique. <i>Materials</i> , 2019, 12, 167.	1.3	2
65	Multifunctional materials based on smart hydrogels for biomedical and 4D applications. , 2021, , 407-467.		2
66	Hydrogel-Core Microstructured Polymer Optical Fibers for Selective Fiber Enhanced Raman Spectroscopy. <i>Sensors</i> , 2021, 21, 1845.	2.1	2
67	Shape Memory Hydrogels Based on Noncovalent Interactions. , 2018, , .		1
68	Study of the capacity of poly(N-vinylcarbazole) derivatives to form honeycomb-like patterns. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50975.	1.3	1
69	A novel liquid-filled microstructured polymer optical fiber as bio-sensing platform for Raman spectroscopy. , 2018, , .		1
70	7 Polyester-based biodegradable polymers for commodities. , 2020, , 135-172.		1
71	Understanding electrogenerated chemiluminescence at graphite screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2022, 914, 116331.	1.9	1
72	Polysaccharide-Based Superabsorbents: Synthesis, Properties, and Applications. <i>Polymers and Polymeric Composites</i> , 2018, , 1-39.	0.6	0

#	ARTICLE	IF	CITATIONS
73	Cover Image, Volume 67, Issue 9. Polymer International, 2018, 67, i-i.	1.6	0
74	GAMIFICATION OF THE POLYMER CHEMISTRY UNDERGRADUATE COURSE, A POWERFUL TOOL TO IMPROVE LEARNING AND TRANSVERSAL SKILLS. INTED Proceedings, 2021, , .	0.0	0
75	RESEARCH BASED LEARNING PROJECT FOR THE RESPONSIBLE PRODUCTION AND CONSUMPTION IN PHYSICAL CHEMISTRY. INTED Proceedings, 2021, , .	0.0	0
76	IMPLEMENTATION AND EVALUATION OF A RESEARCH BASED LEARNING PROJECT INSPIRED IN THE RESPONSIBLE PRODUCTION AND CONSUMPTION IN PHYSICAL CHEMISTRY. EDULEARN Proceedings, 2021, , .	0.0	0
77	Poli(metilmetakrilatoa)ren gainazal eraldakea. Sentsore adimendunak. Ekaia (journal), 2017, , .	0.0	0
78	Polimero akrilikoak oftalmologian. Degradazio-prozesuaren analisisa. Ekaia (journal), 2017, , .	0.0	0
79	PROJECT-BASED LEARNING IN INSTRUMENTAL TECHNIQUES FOR UNDERGRADUATE PHARMACY STUDENTS. , 2017, , .		0
80	CREATING A SME, A PROJECT-BASED LEARNING APPROACH TO IMPROVE KNOWLEDGE AND TRANSVERSAL SKILLS ON CHEMISTRY UNDERGRADUATES. EDULEARN Proceedings, 2017, , .	0.0	0
81	PROBLEM-BASED LEARNING BY LABORATORY EXPERIMENTS IN POLYMER SCIENCE FOR CHEMISTRY AND MATERIALS SCIENCE UNDERGRADUATES. EDULEARN Proceedings, 2018, , .	0.0	0
82	FROM MAGIC TO CHEMISTRY: A CONCEPTUAL APPROACH. , 2018, , .		0
83	Polimeroetan oinarritutako fabrikazio gehigarria eta 3D inprimaketa: etorkizuneko teknologia gaur egungo gizartean. Ekaia (journal), 0, , 101-119.	0.0	0
84	Hidrogel injektagarriak eta haien aplikazioak ehun ingeniartzan. Ekaia (journal), 2020, , 129-143.	0.0	0
85	Click erreakzioa erabiliz aktibitate biologikoa erakusten duten sistema polimerikoen garapena. Ekaia (journal), 2020, , 103-116.	0.0	0
86	Nanobioremediation for soil remediation: An introduction. , 2022, , 479-500.		0