Leire Ruiz-Rubio

List of Publications by Year
in descending order

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86	1,612	236833	330025
papers	citations	25 h-index	37 g-index

88	88	88	2107
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	State of the art and current trends on layered inorganic-polymer nanocomposite coatings for anticorrosion and multi-functional applications. Progress in Organic Coatings, 2022, 163, 106684.	1.9	34
2	Hybrid Organicâ€“Inorganic Membranes for Photocatalytic Water Remediation. Catalysts, 2022, 12, 180.	1.6	15
3	Nanobioremediation for soil remediation: An introduction. , 2022, , 479-500.		0
4	Wound healing and antibacterial chitosan-genipin hydrogels with controlled drug delivery for synergistic anti-inflammatory activity. International Journal of Biological Macromolecules, 2022, 203, 679-694.	3.6	27
5	Spontaneous Gelation of Adhesive Catechol Modified Hyaluronic Acid and Chitosan. Polymers, 2022, 14, 1209.	2.0	3
6	Understanding electrogenerated chemiluminescence at graphite screen-printed electrodes. Journal of Electroanalytical Chemistry, 2022, 914, 116331.	1.9	1
7	Design of epoxy-silica hybrids based on cycloaliphatic diol of natural origin for conservation of lithic materials. Progress in Organic Coatings, 2021, 151, 106028.	1.9	4
8	Multifunctional materials based on smart hydrogels for biomedical and 4D applications. , 2021, , 407-467.		2
9	GAMIFICATION OF THE POLYMER CHEMISTRY UNDERGRADUATE COURSE, A POWERFUL TOOL TO IMPROVE LEARNING AND TRANSVERSAL SKILLS. INTED Proceedings, 2021, , .	0.0	0
10	Hydrogel-Core Microstructured Polymer Optical Fibers for Selective Fiber Enhanced Raman Spectroscopy. Sensors, 2021, 21, 1845.	2.1	2
11	Non-Immersion Ultrasonic Cleaning: An Efficient Green Process for Large Surfaces with Low Water Consumption. Processes, 2021, 9, 585.	1.3	6
12	Tough Hydrogels Based on Maleic Anhydride, Bulk Properties Study and Microfiber Formation by Electrospinning. Polymers, 2021, 13, 972.	2.0	4
13	RESEARCH BASED LEARNING PROJECT FOR THE RESPONSIBLE PRODUCTION AND CONSUMPTION IN PHYSICAL CHEMISTRY. INTED Proceedings, 2021, , .	0.0	0
14	Photocurable temperature activated humidity hybrid sensing materials for multifunctional coatings. Polymer, 2021, 221, 123635.	1.8	3
15	Study of the capacity of poly(Nâ€vinylcarbazole) derivatives to form honeycombâ€like patterns. Journal of Applied Polymer Science, 2021, 138, 50975.	1.3	1
16	Biocompatible hyaluronic acid-divinyl sulfone injectable hydrogels for sustained drug release with enhanced antibacterial properties against Staphylococcus aureus. Materials Science and Engineering C, 2021, 125, 112102.	3.8	21
17	Antibacterial catechol-based hyaluronic acid, chitosan and poly (N-vinyl pyrrolidone) coatings onto Ti6Al4V surfaces for application as biomedical implant. International Journal of Biological Macromolecules, 2021, 183, 1222-1235.	3.6	23
18	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

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19	Energetic study of ultrasonic wettability enhancement. Ultrasonics Sonochemistry, 2021, 79, 105768.	3.8	10
20	Laser-induced highly oriented pyrolytic graphite for high-performance screen-printed electrodes. Materials Advances, 2021, 2, 5912-5921.	2.6	12
21	Laser-activated screen-printed carbon electrodes for enhanced dopamine determination in the presence of ascorbic and uric acid. Electrochimica Acta, 2021, 399, 139374.	2.6	14
22	Poly(l-lactide)-Based Anti-Inflammatory Responsive Surfaces for Surgical Implants. Polymers, 2021, 13, 34.	2.0	5
23	Biodegradable Shape-Memory Polymers. Advanced Structured Materials, 2020, , 219-236.	0.3	3
24	Lignin-Based Hydrogels: Synthesis and Applications. Polymers, 2020, 12, 81.	2.0	118
25	Polysaccharide-Based In Situ Self-Healing Hydrogels for Tissue Engineering Applications. Polymers, 2020, 12, 2261.	2.0	34
26	Polycarbazole and Its Derivatives: Synthesis and Applications. A Review of the Last 10 Years. Polymers, 2020, 12, 2227.	2.0	68
27	Biomaterials obtained by photopolymerization: from UV to two photon. Emergent Materials, 2020, 3, 453-468.	3.2	18
28	Î²-Glycerol phosphate/genipin chitosan hydrogels: A comparative study of their properties and diclofenac delivery. Carbohydrate Polymers, 2020, 248, 116811.	5.1	35
29	Zero-Valent Iron Nanoparticles for Soil and Groundwater Remediation. International Journal of Environmental Research and Public Health, 2020, 17, 5817.	1.2	97
30	Antibacterial chitosan electrostatic/covalent coating onto biodegradable poly (-lactic acid). Food Hydrocolloids, 2020, 105, 105835.	5.6	17
31	Antibacterial Coatings for Improving the Performance of Biomaterials. Coatings, 2020, 10, 139.	1.2	71
32	Hidrogel injektagarriak eta haien aplikazioak ehun ingeniaritzan. Ekaia (journal), 2020, , 129-143.	0.0	0
33	Click erreakzioa erabiliz aktibitate biologikoa erakusten duten sistema polimerikoen garapena. Ekaia (journal), 2020, , 103-116.	0.0	0
34	7 Polyester-based biodegradable polymers for commodities. , 2020, , 135-172.		1
35	Toward Advanced Functional Systems: Honeycomb-Like Polymeric Surfaces Incorporating Polyoxovanadates with Surface-Appended Copper-Cyclam Complexes. Molecules, 2019, 24, 2313.	1.7	2
36	Harnessing Deep-Hole Drilling to Fabricate Air-Structured Polymer Optical Fibres. Polymers, 2019, 11, 1739.	2.0	7

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37	Characterization and Optimization of the Alkaline Hydrolysis of Polyacrylonitrile Membranes. Polymers, 2019, 11, 1843.	2.0	39
38	The Effect of the Isomeric Chlorine Substitutions on the Honeycomb-Patterned Films of Poly(x-chlorostyrene)s/Polystyrene Blends and Copolymers via Static Breath Figure Technique. Materials, 2019, 12, 167.	1.3	2
39	Stimuli responsive UV cured polyurethane acrylated/carbon nanotube composites for piezoresistive sensing. European Polymer Journal, 2019, 120, 109226.	2.6	29
40	Self-healable hyaluronic acid/chitosan polyelectrolyte complex hydrogels and multilayers. European Polymer Journal, 2019, 120, 109268.	2.6	55
41	Development of multiactive antibacterial multilayers of hyaluronic acid and chitosan onto poly(ethylene terephthalate). European Polymer Journal, 2019, 112, 31-37.	2.6	26
42	Short-term stability assessment for the analysis of emerging contaminants in seawater. Environmental Science and Pollution Research, 2019, 26, 23861-23872.	2.7	5
43	TiO2-Doped Electrospun Nanofibrous Membrane for Photocatalytic Water Treatment. Polymers, 2019, 11, 747.	2.0	44
44	Synthesis and Characterization of Covalently Crosslinked pH-Responsive Hyaluronic Acid Nanogels: Effect of Synthesis Parameters. Polymers, 2019, 11, 742.	2.0	29
45	Hydrolysis of poly(l â€‹actide)/ZnO nanocomposites with antimicrobial activity. Journal of Applied Polymer Science, 2019, 136, 47786.	1.3	5
46	Liquid-Core Microstructured Polymer Optical Fiber as Fiber-Enhanced Raman Spectroscopy Probe for Glucose Sensing. Journal of Lightwave Technology, 2019, 37, 2981-2988.	2.7	22
47	Chitosan nanogels as nanocarriers of polyoxometalates for breast cancer therapies. Carbohydrate Polymers, 2019, 213, 159-167.	5.1	48
48	Antibacterial hyaluronic acid/chitosan multilayers onto smooth and micropatterned titanium surfaces. Carbohydrate Polymers, 2019, 207, 824-833.	5.1	56
49	Polysaccharide-Based Superabsorbents: Synthesis, Properties, and Applications. Polymers and Polymeric Composites, 2019, , 1393-1431.	0.6	10
50	Antibacterial multilayer of chitosan and (2-carboxyethyl)- Î²-cyclodextrin onto polylactic acid (PLLA). Food Hydrocolloids, 2019, 88, 228-236.	5.6	43
51	Plasma poly(acrylic acid) compatibilized hydroxyapatite-polylactide biocomposites for their use as body-absorbable osteosynthesis devices. Composites Science and Technology, 2018, 161, 66-73.	3.8	16
52	Polymers beyond standard optical fibres â€“ fabrication of microstructured polymer optical fibres. Polymer International, 2018, 67, 1155-1163.	1.6	18
53	Shape Memory Hydrogels Based on Noncovalent Interactions. , 2018, , .		1
54	Polysaccharide-Based Superabsorbents: Synthesis, Properties, and Applications. Polymers and Polymeric Composites, 2018, , 1-39.	0.6	0

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55	Evaluation of postcuring process on the thermal and mechanical properties of the Clear02â„¢ resin used in stereolithography. Polymer Testing, 2018, 72, 115-121.	2.3	32
56	Formulation of CarbopolÂ®/Poly(2-ethyl-2-oxazoline)s Mucoadhesive Tablets for Buccal Delivery of Hydrocortisone. Polymers, 2018, 10, 175.	2.0	27
57	U-Shaped and Surface Functionalized Polymer Optical Fiber Probe for Glucose Detection. Sensors, 2018, 18, 34.	2.1	31
58	Immobilization of Polyoxometalates on Tailored Polymeric Surfaces. Nanomaterials, 2018, 8, 142.	1.9	6
59	Determining the Deacetylation Degree of Chitosan: Opportunities To Learn Instrumental Techniques. Journal of Chemical Education, 2018, 95, 1022-1028.	1.1	54
60	Cover Image, Volume 67, Issue 9. Polymer International, 2018, 67, i-i.	1.6	0
61	A novel liquid-filled microstructured polymer optical fiber as bio-sensing platform for Raman spectroscopy. , 2018, , .		1
62	PROBLEM-BASED LEARNING BY LABORATORY EXPERIMENTS IN POLYMER SCIENCE FOR CHEMISTRY AND MATERIALS SCIENCE UNDERGRADUATES. EDULEARN Proceedings, 2018, , .	0.0	0
63	FROM MAGIC TO CHEMISTRY: A CONCEPTUAL APPROACH. , 2018, , .		0
64	Active release coating of multilayer assembled branched and ionic Î²-cyclodextrins onto poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 T	5.1	6
65	From isolated to 2D coordination polymers based on 6-aminonicotinate and 3d-metal ions: towards field-induced single-ion-magnets. CrystEngComm, 2017, 19, 2229-2242.	1.3	28
66	Suppressing the Thermal and Ultraviolet Sensitivity of Kevlar by Infiltration and Hybridization with ZnO. Chemistry of Materials, 2017, 29, 10068-10074.	3.2	50
67	Branched and ionic Î²-Cyclodextrins multilayer assembling onto polyacrylonitrile membranes for removal and controlled release of triclosan. Carbohydrate Polymers, 2017, 156, 143-151.	5.1	23
68	Poli(metilmetakrilatoa)ren gainazal eraldakea. Sentsore adimendunak. Ekaia (journal), 2017, , .	0.0	0
69	Polimero akrilikoak oftalmologian. Degradazio-prozesuaren analisia. Ekaia (journal), 2017, , .	0.0	0
70	PROJECT-BASED LEARNING IN INSTRUMENTAL TECHNIQUES FOR UNDERGRADUATE PHARMACY STUDENTS. , 2017, , .		0
71	CREATING A SME, A PROJECT-BASED LEARNING APPROACH TO IMPROVE KNOWLEDGE AND TRANSVERSAL SKILLS ON CHEMISTRY UNDERGRADUATES. EDULEARN Proceedings, 2017, , .	0.0	0
72	Solvent and relative humidity effect on highly ordered polystyrene honeycomb patterns analyzed by Voronoi tesselation. Journal of Applied Polymer Science, 2016, 133, .	1.3	7

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73	Polysaccharide polyelectrolyte multilayer coating on poly(ethylene terephthalate). Polymer International, 2016, 65, 915-920.	1.6	17
74	Poly(<scp>l</scp>â€lactide)/zno nanocomposites as efficient UVâ€shielding coatings for packaging applications. Journal of Applied Polymer Science, 2016, 133, .	1.3	57
75	Preparation and characterization of soluble branched ionic Î²-cyclodextrins and their inclusion complexes with triclosan. Carbohydrate Polymers, 2016, 142, 149-157.	5.1	21
76	Towards the development of eco-friendly disposable polymers: ZnO-initiated thermal and hydrolytic degradation in poly(<scp>l</scp>-lactide)/ZnO nanocomposites. RSC Advances, 2016, 6, 15660-15669.	1.7	37
77	Synthesis and characterization of near-infrared fluorescent and magnetic iron zero-valent nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 315, 1-7.	2.0	9
78	Influence of Î±-methyl substitutions on interpolymer complexes formation between poly(meth)acrylic acids and poly(N-isopropyl(meth)acrylamide)s. Colloid and Polymer Science, 2015, 293, 1447-1455.	1.0	15
79	Influence of N-alkyl and Î±-substitutions on the thermal behaviour of H-bonded interpolymer complexes based on polymers with acrylamide or lactame groups and poly(4-vinylphenol). Thermochimica Acta, 2015, 614, 191-198.	1.2	6
80	Polymerâ€“polymer complexes of poly(N-isopropylacrylamide) and poly(N,N-diethylacrylamide) with poly(carboxylic acids): a comparative study. Colloid and Polymer Science, 2014, 292, 423-430.	1.0	14
81	Thermal behaviour of H-bonded interpolymer complexes based on polymers with acrylamide or lactame groups and poly(acrylic acid): Influence of N-alkyl and Î±-methyl substitutions. Polymer Degradation and Stability, 2014, 109, 147-153.	2.7	13
82	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. Colloid and Polymer Science, 2013, 291, 2495-2502.	1.0	4
83	Reversible functionalization of nanostructured polymer surfaces via stimuli-responsive interpolymer complexes. European Polymer Journal, 2013, 49, 130-138.	2.6	7
84	Associative and segregative phase separations of poly(N-tert-butylacrylamide)/poly(acrylic acid) mixtures. Effect of solvent. Colloid and Polymer Science, 2010, 288, 1593-1599.	1.0	16
85	pH responsive surfaces with nanoscale topography. Journal of Polymer Science Part A, 2010, 48, 2982-2990.	2.5	25
86	Polimeroetan oinarritutako fabrikazio gehigarria eta 3D inprimaketa: etorkizuneko teknologia gaur egungo gizartean. Ekaia (journal), 0, , 101-119.	0.0	0