

Anton Popelka

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/10605360/anton-popelka-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

470^o
citations

12
h-index

20
g-index

37
ext. papers

597
ext. citations

4.1
avg, IF

3.68
L-index

#	Paper	IF	Citations
33	Effect of poly(ϵ -caprolactone) and titanium (IV) dioxide content on the UV and hydrolytic degradation of poly(lactic acid)/poly(ϵ -caprolactone) blends. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51266	2.9	2
32	Sulfobetaine-based polydisulfides with tunable upper critical solution temperature (UCST) in water alcohols mixture, depolymerization kinetics and surface wettability. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 196-208	9.3	2
31	Slippery Liquid-Infused Porous Polymeric Surfaces Based on Natural Oil with Antimicrobial Effect. <i>Polymers</i> , 2021 , 13,	4.5	6
30	The Separation of Emulsified Water/Oil Mixtures through Adsorption on Plasma-Treated Polyethylene Powder. <i>Materials</i> , 2021 , 14,	3.5	2
29	Effects of Rutile-TiO Nanoparticles on Accelerated Weathering Degradation of Poly(Lactic Acid). <i>Polymers</i> , 2020 , 12,	4.5	10
28	Morphology analysis 2020 , 21-68		2
27	Dry Sliding Tribological Properties of a Hard Anodized AA6082 Aluminum Alloy. <i>Metals</i> , 2020 , 10, 207	2.3	2
26	Separation of Water/Oil Emulsions by an Electrospun Copolyamide Mat Covered with a 2D TiCT MXene. <i>Materials</i> , 2020 , 13,	3.5	4
25	Surface Functionalization of a Polyurethane Surface via Radio-Frequency Cold Plasma Treatment Using Different Gases. <i>Coatings</i> , 2020 , 10, 1067	2.9	1
24	Thermally Conductive Polyethylene/Expanded Graphite Composites as Heat Transfer Surface: Mechanical, Thermo-Physical and Surface Behavior. <i>Polymers</i> , 2020 , 12,	4.5	9
23	Antimicrobial modification of PLA scaffolds with ascorbic and fumaric acids via plasma treatment. <i>Surface and Coatings Technology</i> , 2020 , 400, 126216	4.4	10
22	Investigation of the Temperature-Related Wear Performance of Hard Nanostructured Coatings Deposited on a S600 High Speed Steel. <i>Metals</i> , 2019 , 9, 332	2.3	5
21	Modification of Polyethylene by RF Plasma in Different/Mixture Gases. <i>Coatings</i> , 2019 , 9, 145	2.9	17
20	Electrically Conductive, Transparent Polymeric Nanocomposites Modified by 2D TiCT (MXene). <i>Polymers</i> , 2019 , 11,	4.5	16
19	Preparation of Progressive Antibacterial LDPE Surface via Active Biomolecule Deposition Approach. <i>Polymers</i> , 2019 , 11,	4.5	7
18	Laser induced periodic surface structures on nano metal oxide filled polyvinylidene fluoride nanocomposites. <i>Optik</i> , 2019 , 176, 372-383	2.5	6
17	Photochemical grafting of polysulfobetaine onto polyethylene and polystyrene surfaces and investigation of long-term stability of the polysulfobetaine layer in seawater. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 1930-1938	3.2	3

16	Surface modification of polyethylene/graphene composite using corona discharge. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 105302	3	14
15	Effect of corona treatment on adhesion enhancement of LLDPE. <i>Surface and Coatings Technology</i> , 2018 , 335, 118-125	4.4	29
14	Foamy phase change materials based on linear low-density polyethylene and paraffin wax blends. <i>Emergent Materials</i> , 2018 , 1, 47-54	3.5	15
13	Modulation of wettability, gradient and adhesion on self-assembled monolayer by counterion exchange and pH. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 511-521	9.3	13
12	Photoimmobilization of zwitterionic polymers on surfaces to reduce cell adhesion. <i>Journal of Colloid and Interface Science</i> , 2017 , 500, 294-303	9.3	9
11	pH-Switchable Interaction of a Carboxybetaine Ester-Based SAM with DNA and Gold Nanoparticles. <i>Langmuir</i> , 2017 , 33, 6657-6666	4	5
10	2D Ti3C2Tx (MXene)-reinforced polyvinyl alcohol (PVA) nanofibers with enhanced mechanical and electrical properties. <i>PLoS ONE</i> , 2017 , 12, e0183705	3.7	62
9	Polyolefin Adhesion Modifications. <i>Springer Series on Polymer and Composite Materials</i> , 2016 , 201-230	0.9	2
8	Polyolefin in Packaging and Food Industry. <i>Springer Series on Polymer and Composite Materials</i> , 2016 , 181-199	0.9	6
7	Effect of Barrier Plasma Pre-Treatment on Polyester Films and their Adhesive Properties on Oak Wood. <i>BioResources</i> , 2016 , 11,	1.3	5
6	Simple, Reversible, and Fast Modulation in Superwettability, Gradient, and Adsorption by Counterion Exchange on Self-Assembled Monolayer. <i>Langmuir</i> , 2016 , 32, 5491-9	4	32
5	Investigation of beech wood modified by radio-frequency discharge plasma. <i>Vacuum</i> , 2015 , 119, 88-94	3.7	12
4	Surface modification of polyethylene by diffuse barrier discharge plasma. <i>Polymer Engineering and Science</i> , 2013 , 53, 516-523	2.3	13
3	A new route for chitosan immobilization onto polyethylene surface. <i>Carbohydrate Polymers</i> , 2012 , 90, 1501-8	10.3	43
2	Anti-bacterial treatment of polyethylene by cold plasma for medical purposes. <i>Molecules</i> , 2012 , 17, 762-768	4.5	50
1	Polysaccharides coatings on medical-grade PVC: a probe into surface characteristics and the extent of bacterial adhesion. <i>Molecules</i> , 2010 , 15, 1007-27	4.8	56