

# Radek Prikryl

## List of Publications by Year in descending order

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26  
papers

512  
citations

687363

13  
h-index

713466

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

689  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Multiple Thermomechanical Processing of 3D Filaments Based on Polylactic Acid and Polyhydroxybutyrate on Their Rheological and Utility Properties. <i>Polymers</i> , 2022, 14, 1947.	4.5	4
2	The chances of thermooxidation stabilization of poly(3-hydroxybutyrate) during processing – A critical evaluation. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50647.	2.6	1
3	Isolation of poly(3-hydroxybutyrate) from bacterial biomass using soap made of waste cooking oil. <i>Bioresource Technology</i> , 2021, 326, 124683.	9.6	11
4	A novel technology for the corrosion protection of iron archaeological artefacts using parylene base removable bilayer. <i>Journal of Cultural Heritage</i> , 2020, 42, 28-35.	3.3	2
5	A critical review of the overlooked challenge of determining micro-bioplastics in soil. <i>Science of the Total Environment</i> , 2020, 745, 140975.	8.0	73
6	FDM 3D Printed Composites for Bone Tissue Engineering Based on Plasticized Poly(3-hydroxybutyrate)/poly(D,L-lactide) Blends. <i>Polymers</i> , 2020, 12, 2806.	4.5	22
7	Printability, Mechanical and Thermal Properties of Poly(3-Hydroxybutyrate)-Poly(Lactic) Tj ETQq1 1 0.784314 rgBT (Overlock 10 Tf 50 32	2.9	32
8	Recycling possibilities of bioplastics based on PLA/PHB blends. <i>Polymer Testing</i> , 2020, 92, 106880.	4.8	41
9	Thermal properties of samples prepared from polylactic acid by 3D printing. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	16
10	Protective Properties of a Microstructure Composed of Barrier Nanostructured Organics and SiO <sub>x</sub> Layers Deposited on a Polymer Matrix. <i>Nanomaterials</i> , 2018, 8, 679.	4.1	20
11	Effect of Selected Commercial Plasticizers on Mechanical, Thermal, and Morphological Properties of Poly(3-hydroxybutyrate)/Poly(lactic acid)/Plasticizer Biodegradable Blends for Three-Dimensional (3D) Print. <i>Materials</i> , 2018, 11, 1893.	2.9	55
12	Study of the thermal properties of selected PCMs for latent heat storage in buildings. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
13	Plasmachemical Conservation of Corroded Metallic Objects. <i>Journal of Physics: Conference Series</i> , 2016, 715, 012012.	0.4	2
14	Plasma chemical reduction of model corrosion brass layers prepared in soil. <i>EPL Applied Physics</i> , 2016, 75, 24717.	0.7	0
15	Thermal properties of an erythritol derivative. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	5
16	Micro-encapsulated phase-change materials for latent-heat storage: thermal characteristics. <i>Materiali in Tehnologije</i> , 2015, 49, 813-816.	0.5	3
17	Production of polyhydroxyalkanoates using hydrolysate of spent coffee grounds. <i>Process Biochemistry</i> , 2014, 49, 1409-1414.	3.7	119
18	Vacuum-deposited diphenyl-diketo-pyrrolopyrroles structures with photoelectrical applications. <i>Journal of Physics: Conference Series</i> , 2014, 514, 012005.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Plasma treatment of metallic artefacts. , 2012, , .		0
20	Resistance of nanostructured films to permeation by industrial pollutants. Chemical Papers, 2012, 66, .	2.2	1
21	Collagen-grafted ultra-high molecular weight polyethylene for biomedical applications. Chemical Papers, 2008, 62, .	2.2	17
22	Plasma-polymerized versus polycondensed thin films of vinyltriethoxysilane. Thin Solid Films, 2006, 502, 181-187.	1.8	22
23	Adhesion of pp-VTES films to glass substrates and their durability in aqueous environments. International Journal of Adhesion and Adhesives, 2005, 25, 121-125.	2.9	17
24	Mechanical and optical properties of plasma-polymerized vinyltriethoxysilane. Surface and Coatings Technology, 2005, 200, 468-471.	4.8	21
25	XPS study of siloxane plasma polymer films. Surface and Coatings Technology, 2003, 174-175, 1159-1163.	4.8	22
26	Functional interlayers in multiphase materials. Surface and Coatings Technology, 2003, 174-175, 858-862.	4.8	6