

Radek Prikryl

List of Publications by Year in descending order

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papers

512
citations

687363

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26
all docs

26
docs citations

26
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of polyhydroxyalkanoates using hydrolysate of spent coffee grounds. Process Biochemistry, 2014, 49, 1409-1414.	3.7	119
2	A critical review of the overlooked challenge of determining micro-bioplastics in soil. Science of the Total Environment, 2020, 745, 140975.	8.0	73
3	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. Materials, 2018, 11, 1893.	2.9	55
4	Recycling possibilities of bioplastics based on PLA/PHB blends. Polymer Testing, 2020, 92, 106880.	4.8	41
5	Printability, Mechanical and Thermal Properties of Poly(3-Hydroxybutyrate)-Poly(Lactic Tj ETQq1 1 0.784314 rgBT (Overlock 10 Tf 50 58	2.9	32
6	XPS study of siloxane plasma polymer films. Surface and Coatings Technology, 2003, 174-175, 1159-1163.	4.8	22
7	Plasma-polymerized versus polycondensed thin films of vinyltriethoxysilane. Thin Solid Films, 2006, 502, 181-187.	1.8	22
8	FDM 3D Printed Composites for Bone Tissue Engineering Based on Plasticized Poly(3-hydroxybutyrate)/poly(D,L-lactide) Blends. Polymers, 2020, 12, 2806.	4.5	22
9	Mechanical and optical properties of plasma-polymerized vinyltriethoxysilane. Surface and Coatings Technology, 2005, 200, 468-471.	4.8	21
10	Protective Properties of a Microstructure Composed of Barrier Nanostructured Organics and SiO _x Layers Deposited on a Polymer Matrix. Nanomaterials, 2018, 8, 679.	4.1	20
11	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
12	Collagen-grafted ultra-high molecular weight polyethylene for biomedical applications. Chemical Papers, 2008, 62, .	2.2	17
13	Thermal properties of samples prepared from polylactic acid by 3D printing. AIP Conference Proceedings, 2020, , .	0.4	16
14	Isolation of poly(3-hydroxybutyrate) from bacterial biomass using soap made of waste cooking oil. Bioresource Technology, 2021, 326, 124683.	9.6	11
15	Functional interlayers in multiphase materials. Surface and Coatings Technology, 2003, 174-175, 858-862.	4.8	6
16	Thermal properties of an erythritol derivative. AIP Conference Proceedings, 2016, , .	0.4	5
17	Influence of Multiple Thermomechanical Processing of 3D Filaments Based on Polylactic Acid and Polyhydroxybutyrate on Their Rheological and Utility Properties. Polymers, 2022, 14, 1947.	4.5	4
18	Micro-encapsulated phase-change materials for latent-heat storage: thermal characteristics. Materiali in Tehnologije, 2015, 49, 813-816.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Plasmachemical Conservation of Corroded Metallic Objects. Journal of Physics: Conference Series, 2016, 715, 012012.	0.4	2
20	A novel technology for the corrosion protection of iron archaeological artefacts using parylene base removable bilayer. Journal of Cultural Heritage, 2020, 42, 28-35.	3.3	2
21	Resistance of nanostructured films to permeation by industrial pollutants. Chemical Papers, 2012, 66, .	2.2	1
22	The chances of thermooxidation stabilization of poly(3-hydroxybutyrate) during processing – A critical evaluation. Journal of Applied Polymer Science, 2021, 138, 50647.	2.6	1
23	Plasma treatment of metallic artefacts. , 2012, , .		0
24	Vacuum-deposited diphenyl-diketo-pyrrolopyrroles structures with photoelectrical applications. Journal of Physics: Conference Series, 2014, 514, 012005.	0.4	0
25	Plasma chemical reduction of model corrosion brass layers prepared in soil. EPJ Applied Physics, 2016, 75, 24717.	0.7	0
26	Study of the thermal properties of selected PCMs for latent heat storage in buildings. AIP Conference Proceedings, 2017, , .	0.4	0