Konrad TerpiÅ‚owski

List of Publications by Year
in descending order

68	1,753	394286 19	289141 40
papers	citations	h-index	g-index

70	70	70	2736
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrophilic and superhydrophilic surfaces and materials. Soft Matter, 2011, 7, 9804.	1.2	736
2	Enhanced uranium removal from acidic wastewater by phosphonate-functionalized ordered mesoporous silica: Surface chemistry matters the most. Journal of Hazardous Materials, 2021, 413, 125279.	6.5	76
3	Surface free energy of sulfurâ€"Revisited. Journal of Colloid and Interface Science, 2008, 319, 505-513.	5.0	59
4	Investigation of the polyvinyl alcohol stabilization mechanism and adsorption properties on the surface of ternary mixed nanooxide AST 50 (Al2O3â€"SiO2â€"TiO2). Journal of Nanoparticle Research, 2015, 17, 12.	0.8	56
5	Surface properties of glass plates activated by air, oxygen, nitrogen and argon plasma. Glass Physics and Chemistry, 2016, 42, 535-541.	0.2	45
6	Effect of low-temperature plasma on chitosan-coated PEEK polymer characteristics. European Polymer Journal, 2016, 78, 1-13.	2.6	45
7	Investigation of super-hydrophobic effect of PMMA layers with different fillers deposited on glass support. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 291, 181-190.	2.3	42
8	Surface free energy of polypropylene and polycarbonate solidifying at different solid surfaces. Applied Surface Science, 2009, 256, 1573-1581.	3.1	39
9	Low-temperature air plasma modification of chitosan-coated PEEK biomaterials. Polymer Testing, 2016, 50, 325-334.	2.3	37
10	Influence of nitrogen plasma treatment on the wettability of polyetheretherketone and deposited chitosan layers. Advances in Polymer Technology, 2018, 37, 1557-1569.	0.8	36
11	Timeâ€dependent changes of surface properties of polyether ether ketone caused by air plasma treatment. Polymer International, 2016, 65, 827-834.	1.6	33
12	The effect of pH and ageing on the fate of CuO and ZnO nanoparticles in soils. Science of the Total Environment, 2020, 721, 137771.	3.9	30
13	What Is the Value of Water Contact Angle on Silicon?. Materials, 2020, 13, 1554.	1.3	27
14	Nanooxide/Polymer Composites with Silica@PDMS and Ceriaâ€"Zirconiaâ€"Silica@PDMS: Textural, Morphological, and Hydrophilic/Hydrophobic Features. Nanoscale Research Letters, 2017, 12, 152.	3.1	25
15	The effect of native and polymerised whey protein isolate addition on surface and microstructural properties of processed cheeses and their meltability determined by Turbiscan. International Journal of Food Science and Technology, 2020, 55, 2179-2187.	1.3	23
16	Wettability of modified silica layers deposited on glass support activated by plasma. Applied Surface Science, 2015, 353, 843-850.	3.1	22
17	Properties of PEEK-supported films of biological substances prepared by the Langmuir-Blodgett technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 510, 263-274.	2.3	22
18	Investigation of the Electrokinetic Properties of Paraffin Suspension. 1. In Inorganic Electrolyte Solutions. Langmuir, 2005, 21, 4347-4355.	1.6	20

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19	New product development: Cellulose/egg white protein blend fibers. Carbohydrate Polymers, 2015, 126, 168-174.	5.1	19
20	Wettability of plasma modified glass surface with bioglass layer in polysaccharide solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 551, 185-194.	2.3	19
21	Effect of Sucrose on Physicochemical Properties of High-Protein Meringues Obtained from Whey Protein Isolate. Applied Sciences (Switzerland), 2021, 11, 4764.	1.3	19
22	Surface properties of metal alloys used in aviation after plasma treatment. Surface and Interface Analysis, 2017, 49, 647-653.	0.8	18
23	Physicochemical properties of cellulose/whey protein fibers as a potential material for active ingredients release. Food Hydrocolloids, 2015, 49, 232-239.	5.6	17
24	Impact of anionic polyacrylamide on stability and surface properties of the Al2O3â€“polymer solution system at different temperatures. Colloid and Polymer Science, 2016, 294, 1511-1517.	1.0	16
25	Effect of solution pH on the stability of mixed silica -alumina suspension in the presence of polyacrylic acid (PAA) with different molecular weights. Open Chemistry, 2013, 11, 101-110.	1.0	14
26	Investigations of chromium(III) oxide removal from the aqueous suspension using the mixed flocculant composed of anionic and cationic polyacrylamides. Journal of Hazardous Materials, 2019, 368, 378-385.	6.5	14
27	Surface properties of ion-inducted whey protein gels deposited on cold plasma treated support. Food Hydrocolloids, 2017, 71, 17-25.	5.6	13
28	Surface and rheological properties of egg white albumin/gelatin dispersions gelled on cold plasma-activated glass. Food Hydrocolloids, 2019, 96, 224-230.	5.6	13
29	Co-gelation of gluten and gelatin as a novel functional material formation method. Journal of Food Science and Technology, 2020, 57, 163-172.	1.4	13
30	Hydrophobic properties of hexamethyldisilazane modified nanostructured silica films on glass: effect of plasma pre-treatment of glass and polycondensation features. Materials Research Express, 2018, 5, 016409.	0.8	12
31	Surface free energy of sulfurâ€”Revisited. Journal of Colloid and Interface Science, 2008, 319, 514-519.	5.0	11
32	New controlled release material: aerated egg white gels induced by calcium ions. European Food Research and Technology, 2016, 242, 1235-1243.	1.6	11
33	Superhydrophobic polystyrene layers filled with silica on glass. Surface Innovations, 2013, 1, 52-59.	1.4	10
34	Apparent Surface Free Energy of Polymer/Paper Composite Material Treated by Air Plasma. International Journal of Polymer Science, 2017, 2017, 1-8.	1.2	10
35	Effect of polyols on the DMPC lipid monolayers and bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 2166-2174.	1.4	10
36	What Can You Learn about Apparent Surface Free Energy from the Hysteresis Approach?. Colloids and Interfaces, 2021, 5, 4.	0.9	10

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37	Wettability and thermal analysis of hydrophobic poly(methyl methacrylate)/silica nanocomposites. Adsorption Science and Technology, 2017, 35, 560-571.	1.5	9
38	Cremophor EL Nano-Emulsion Monomerizes Chlorophyll a in Water Medium. Biomolecules, 2019, 9, 881.	1.8	9
39	Ternary Biopolymer Based on Wheat Gluten, Whey Protein Concentrate and Montmorillonite. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 555-562.	1.9	8
40	Time-based changes in surface properties of poly(ethylene terephthalate) activated with air and argon-plasma treatments. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 558, 322-329.	2.3	8
41	Influence of bridged monomer on porosity and sorption properties of mesoporous silicas functionalized with diethylenetriamine groups. Adsorption, 2019, 25, 575-589.	1.4	8
42	Stability of Chlorophyll a Monomer Incorporated into Cremophor EL Nano-Micelles under Dark and Moderate Light Conditions. Molecules, 2020, 25, 5059.	1.7	8
43	Surface properties of gluten deposited on cold plasma-activated glass. Food Hydrocolloids, 2021, 118, 106778.	5.6	8
44	Investigation of the Electrokinetic Properties of Paraffin Suspension. 2. In Cationic and Anionic Surfactant Solutions. Langmuir, 2005, 21, 7662-7671.	1.6	7
45	Surface Properties of Aerated Ion-induced Whey Protein Gels. Food Biophysics, 2015, 10, 273-281.	1.4	6
46	Surface modification of albumin/gelatin films gelled on lowâ€temperature plasmaâ€treated polyethylene terephthalate plates. Plasma Processes and Polymers, 2020, 17, 1900171.	1.6	6
47	Influence of Volume Drop on Surface Free Energy of Glass. Annales Universitatis Mariae Curie-Sklodowska Sectio AA â€“ Chemia, 2014, 68, .	0.2	5
48	Fabrication of transparent polysiloxane coatings on a glass support via the sol-gel dip coating technique and the effect of their hydrophobization with hexamethyldisilazane. Physicochemical Problems of Mineral Processing, 0, , 76-88.	0.2	5
49	Effect of different solid matrixes on surface free energy of EGDMA and TRIM polymers. Applied Surface Science, 2010, 256, 5475-5481.	3.1	4
50	Modified silicas with different structure of grafted methylphenylsiloxane layer. Nanoscale Research Letters, 2016, 11, 290.	3.1	4
51	Macro and micro wettability of hydrophobic siloxane films with hierarchical surface roughness. Smart Materials and Structures, 2018, 27, 075002.	1.8	4
52	Turbidimetric studies of colloidal silica/aqueous solution system stability. Surface Innovations, 2017, 5, 138-146.	1.4	3
53	Effect of gluten on the properties of ternary biopolymers based on gluten, whey protein concentrate, and kaolinite. European Food Research and Technology, 2018, 244, 623-633.	1.6	3
54	Comparison of contact angle measurement methods of liquids on metal alloys. Annales Universitatis Mariae Curie-Sklodowska Sectio AA â€“ Chemia, 2016, 71, 89.	0.2	3

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55	Surface Properties of Silicaâ€“MWCNTs/PDMS Composite Coatings Deposited on Plasma Activated Glass Supports. Applied Sciences (Switzerland), 2021, 11, 9256.	1.3	3
56	Influence of Air Cold Plasma Modification on the Surface Properties of Paper Used for Packaging Production. Applied Sciences (Switzerland), 2022, 12, 3242.	1.3	3
57	Changes in surface properties of polymethylmethacrylate (PMMA) treated with air plasma. Annales Universitatis Mariae Curie-Sklodowska Sectio AA â€“ Chemia, 2015, 70, .	0.2	2
58	Influence of the ambient temperature on water and diiodomethane contact angle with quartz surface. Annales Universitatis Mariae Curie-Sklodowska Sectio AA â€“ Chemia, 2015, 70, .	0.2	2
59	Possibility of Using Fermented Curly Kale Juice to Manufacture Feta-Type Cheese. Applied Sciences (Switzerland), 2020, 10, 4020.	1.3	2
60	Effect of Various Surface Treatments on Wettability and Morphological Properties of Titanium Oxide Thin Films. Materials, 2022, 15, 4113.	1.3	2
61	Comparison of the Poly(vinyl alcohol) Adsorption Behaviour on the Mixed Oxides with Different Surface Structure. Medziagotyra, 2016, 22, .	0.1	1
62	Determination of Acoustical Parameters of Aqueous Solution of Kolliphors Binary Mixtures Using Density, Speed of Sound, Viscosity, and Surface Tension Measurements. Journal of Surfactants and Detergents, 2019, 22, 1163-1174.	1.0	1
63	Investigation of surface structure, electrokinetic and stability properties of highly dispersed Ho2O3â€“Yb2O3/SiO2 nanocomposites. Applied Nanoscience (Switzerland), 2022, 12, 553-564.	1.6	1
64	Magnetic field effects on surfactants adsorption on the solid surface as regards of its wettability. Physicochemical Problems of Mineral Processing, 0, , 101-113.	0.2	1
65	Surface Properties of Plasma-Activated Chitosan Foils. Colloids and Interfaces, 2022, 6, 6.	0.9	1
66	Physicochemical, Nutritional, Microstructural, Surface and Sensory Properties of a Model High-Protein Bars Intended for Athletes Depending on the Type of Protein and Syrup Used. International Journal of Environmental Research and Public Health, 2022, 19, 3923.	1.2	1
67	Equilibrium Contact Angle and Determination of Apparent Surface Free Energy Using Hysteresis Approach on Rough Surfaces. , 2018, , 331-347.		0
68	Surface properties of graphene and graphene/diamond composites located at a substrate with tungsten carbide doped by metals composites. Adsorption, 2019, 25, 513-520.	1.4	0