

Josef Osicka

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Simple, Reversible, and Fast Modulation in Superwettability, Gradient, and Adsorption by Counterion Exchange on Self-Assembled Monolayer. <i>Langmuir</i> , 2016, 32, 5491-5499.	1.6	38
2	Sulfobetaines Meet Carboxybetaines: Modulation of Thermo- and Ion-Responsivity, Water Structure, Mechanical Properties, and Cell Adhesion. <i>Langmuir</i> , 2019, 35, 1391-1403.	1.6	32
3	Enhanced and Tunable Electrorheological Capability using Surface Initiated Atom Transfer Radical Polymerization Modification with Simultaneous Reduction of the Graphene Oxide by Silyl-Based Polymer Grafting. <i>Nanomaterials</i> , 2019, 9, 308.	1.9	24
4	Surface-initiated atom transfer radical polymerization from graphene oxide: A way towards fine tuning of electric conductivity and electro-responsive capabilities. <i>Materials Letters</i> , 2018, 211, 138-141.	1.3	23
5	The Impact of Polymer Grafting from a Graphene Oxide Surface on Its Compatibility with a PDMS Matrix and the Light-Induced Actuation of the Composites. <i>Polymers</i> , 2017, 9, 264.	2.0	22
6	Reversible Actuation Ability upon Light Stimulation of the Smart Systems with Controllably Grafted Graphene Oxide with Poly (Glycidyl Methacrylate) and PDMS Elastomer: Effect of Compatibility and Graphene Oxide Reduction on the Photo-Actuation Performance. <i>Polymers</i> , 2018, 10, 832.	2.0	22
7	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.	5.0	18
8	Electrorheological behavior of iron(II) oxalate micro-rods. <i>RSC Advances</i> , 2018, 8, 24773-24779.	1.7	17
9	Effect of Structure of Polymers Grafted from Graphene Oxide on the Compatibility of Particles with a Silicone-Based Environment and the Stimuli-Responsive Capabilities of Their Composites. <i>Nanomaterials</i> , 2020, 10, 591.	1.9	13
10	Comparative Study of PVDF Sheets and Their Sensitivity to Mechanical Vibrations: The Role of Dimensions, Molecular Weight, Stretching and Poling. <i>Nanomaterials</i> , 2021, 11, 1637.	1.9	12
11	Controllably coated graphene oxide particles with enhanced compatibility with poly(ethylene-co-propylene) thermoplastic elastomer for excellent photo-mechanical actuation capability. <i>Reactive and Functional Polymers</i> , 2020, 148, 104487.	2.0	11
12	pH-Switchable Interaction of a Carboxybetaine Ester-Based SAM with DNA and Gold Nanoparticles. <i>Langmuir</i> , 2017, 33, 6657-6666.	1.6	9
13	Electrorheology of SI-ATRP-modified graphene oxide particles with poly(butyl methacrylate): effect of reduction and compatibility with silicone oil. <i>RSC Advances</i> , 2019, 9, 1187-1198.	1.7	9
14	The effect of short polystyrene brushes grafted from graphene oxide on the behavior of miscible PMMA/SAN blends. <i>Polymer</i> , 2020, 211, 123088.	1.8	9
15	Vibration Sensing Systems Based on Poly(Vinylidene Fluoride) and Microwave-Assisted Synthesized ZnO Star-Like Particles with Controllable Structural and Physical Properties. <i>Nanomaterials</i> , 2020, 10, 2345.	1.9	8
16	Localization of Poly(glycidyl methacrylate) Grafted on Reduced Graphene Oxide in Poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Conductivities. <i>ACS Applied Nano Materials</i> , 2021, 4, 8511-8519.	2.4	8
17	Anisotropy in CNT composite fabricated by combining directional freezing and gamma irradiation of acrylic acid. <i>Materials and Design</i> , 2016, 97, 300-306.	3.3	6
18	Light-Induced Actuation of Poly(dimethylsiloxane) Filled with Graphene Oxide Grafted with Poly(2-(trimethylsilyloxy)ethyl Methacrylate). <i>Polymers</i> , 2018, 10, 1059.	2.0	6

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19	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.	1.6	5
20	Simplified synthesis of silver nanoparticles on graphene oxide and their applications in electrocatalysis. <i>Nanotechnology</i> , 2020, 32, 025502.	1.3	4
21	Nicotinamide-based supergelator self-assembling via asymmetric hydrogen bonding NH ⁺ OC and H ⁺ Br ⁻ pattern for reusable, moldable and self-healable nontoxic fuel gels. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 182-190.	5.0	3
22	The influence of ultraviolet radiation on the optical properties of glass fibre reinforcements for polyurethane matrix composites. <i>Coloration Technology</i> , 2019, 135, 510-515.	0.7	2
23	Silver Integrated with Carbonaceous 2D Nanomaterials as an Electrocatalyst for Reductive Dechlorination of Chloroacetanilide Herbicide. <i>Journal of the Electrochemical Society</i> , 2021, 168, 037504.	1.3	2
24	The influence of synthesis conditions on the electrorheological performance of iron(II) oxalate rod-like particles. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 100, 280-287.	2.9	2
25	One-Pot Strategy for the Preparation of Electrically Conductive Composites Using Simultaneous Reduction and Grafting of Graphene Oxide via Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2021, 54, 10177-10188.	2.2	2
26	Smart composites based on controllably grafted graphene oxide particles and elastomeric matrix with sensing capability. , 2017, , .		1
27	Effect of Nano-Sized Poly(Butyl Acrylate) Layer Grafted from Graphene Oxide Sheets on the Compatibility and Beta-Phase Development of Poly(Vinylidene Fluoride) and Their Vibration Sensing Performance. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5777.	1.8	1
28	Light-induced and sensing capabilities of SI-ATRP modified graphene oxide particles in elastomeric matrix. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
29	the effects of molecular and processing parameters on energy harvesting capability of PVDF-based nanogeneratorS. , 2020, , .		0
30	EFFECT OF EXTRUSION PROCESS AND VARIOUS ELONGATION RATIOS ON THE STRUCTURAL AND DIELECTRIC PROPERTIES OF PVDF-BASED COPOLYMER CONTAINING MICRO AND NANO-SIZED CRYSTALLITES. , 2020, , .		0