Codrin Tugui

List of Publications by Year
in descending order

33	519	567281 15	677142 22
papers	citations	h-index	g-index

33	33	33	404
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	From passive to emerging smart silicones. Reviews in Chemical Engineering, 2023, 39, 941-1003.	4.4	8
2	Bentonite as an active natural filler for silicone leading to piezoelectric-like response material. Journal of Materials Research and Technology, 2022, 17, 79-94.	5.8	5
3	Soft silicone elastomers exhibiting large actuation strains. Journal of Applied Polymer Science, 2022, 139, .	2.6	10
4	Silicone elastomers with improved electro-mechanical performance using slide-ring polymers. Journal of Polymer Research, 2022, 29, .	2.4	4
5	Silicones with different crosslinking patterns: Assessment from the perspective of their suitability for biomaterials. Surfaces and Interfaces, 2022, 32, 102168.	3.0	1
6	Octakis(phenyl)â€‹scp›T8‹/scp›â€‹silsesquioxaneâ€filled silicone elastomers with enhanced electromechanical capability. Journal of Applied Polymer Science, 2021, 138, 50161.	2.6	9
7	The synergistic effect of nitrile and jeffamine structural elements towards stretchable and high-‹i›k‹/i›neat polyimide materials. Materials Chemistry Frontiers, 2021, 5, 7558-7579.	5.9	10
8	Elastic composites with PDMS matrix and polysulfone-supported silver nanoparticles as filler. Polymer, 2021, 217, 123480.	3.8	10
9	From Amorphous Silicones to Si-Containing Highly Ordered Polymers: Some Romanian Contributions in the Field. Polymers, 2021, 13, 1605.	4.5	7
10	Silicone dielectric elastomers optimized by crosslinking pattern â€“ a simple approach to high-performance actuators. Polymer Chemistry, 2020, 11, 3271-3284.	3.9	19
11	Multi-stimuli responsive free-standing films of DR1- grafted silicones. Chemical Engineering Journal, 2020, 401, 126087.	12.7	18
12	From ultra-high molecular weight polydimethylsiloxane to super-soft elastomer. European Polymer Journal, 2019, 120, 109243.	5.4	13
13	Preparation and characterisation of stacked planar actuators. Chemical Engineering Journal, 2019, 364, 217-225.	12.7	11
14	Nanomaterials Developed by Processing Iron Coordination Compounds for Biomedical Application. Journal of Nanomaterials, 2019, 2019, 1-14.	2.7	9
15	Silver thin films generated by Pulsed Laser Deposition on plasma-treated surface of silicones to get dielectric elastomer transducers. Surface and Coatings Technology, 2019, 358, 282-292.	4.8	6
16	Ceramic nanotubes-based elastomer composites for applications in electromechanical transducers. Materials and Design, 2018, 141, 120-131.	7.0	27
17	Conductive stretchable composites properly engineered to develop highly compliant electrodes for dielectric elastomer actuators. Smart Materials and Structures, 2018, 27, 105005.	3.5	15
18	All-silicone elastic composites with counter-intuitive piezoelectric response, designed for electromechanical applications. Journal of Materials Chemistry C, 2017, 5, 6997-7010.	5.5	25

#	Article	IF	Citations
19	Dielectric elastomers with dual piezo-electrostatic response optimized through chemical design for electromechanical transducers. Journal of Materials Chemistry C, 2017, 5, 824-834.	5.5	27
20	Iron oxide nanoparticles as dielectric and piezoelectric enhancers for silicone elastomers. Smart Materials and Structures, 2017, 26, 105046.	3.5	22
21	Stretchable Energy Harvesting Devices: Attempts To Produce High-Performance Electrodes. ACS Sustainable Chemistry and Engineering, 2017, 5, 7851-7858.	6.7	27
22	From iron coordination compounds to metal oxide nanoparticles. Beilstein Journal of Nanotechnology, 2016, 7, 2074-2087.	2.8	14
23	Dielectric silicone elastomers filled with in situ generated polar silsesquioxanes: Preparation, characterization and evaluation of electromechanical performance. Materials and Design, 2016, 106, 454-462.	7.0	29
24	Aging behavior of the silicone dielectric elastomers in a simulated marine environment. RSC Advances, 2016, 6, 8941-8955.	3.6	14
25	Interpenetrating poly(urethane-urea)â€“polydimethylsiloxane networks designed as active elements in electromechanical transducers. Polymer Chemistry, 2016, 7, 2709-2719.	3.9	43
26	Dielectric elastomers based on silicones filled with transitional metal complexes. Composites Part B: Engineering, 2016, 93, 236-243.	12.0	22
27	Changes induced in the properties of dielectric silicone elastomers by the incorporation of transition metal complexes. High Performance Polymers, 2016, 28, 915-926.	1.8	10
28	Highly stretchable composites from PDMS and polyazomethine fine particles. RSC Advances, 2015, 5, 102599-102609.	3.6	22
29	Bimodal silicone interpenetrating networks sequentially built as electroactive dielectric elastomers. Journal of Materials Chemistry C, 2015, 3, 8963-8969.	5.5	26
30	Superparamagnetic amorphous iron oxide nanowires self-assembled into ordered layered structures. RSC Advances, 2015, 5, 62563-62570.	3.6	17
31	Goethite nanorods as a cheap and effective filler for siloxane nanocomposite elastomers. RSC Advances, 2015, 5, 45439-45445.	3.6	15
32	New dielectric elastomers with improved properties for energy harvesting and actuation. , 2015, , .		0
33	Full silicone interpenetrating bi-networks with different organic groups attached to the silicon atoms. Polymer, 2015, 77, 312-322.	3.8	24