Melanie Ecker

List of Publications by Year
in descending order

		471371	610775
28	846	17	24
papers	citations	h-index	g-index
28	28	28	949
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexible and Stretchable Bioelectronics. Materials, 2022, 15, 1664.	1.3	24
2	Overview of MMP-13 as a Promising Target for the Treatment of Osteoarthritis. International Journal of Molecular Sciences, 2021, 22, 1742.	1.8	147
3	Biocompatibility and thermoplastic formability of Pt-based metallic glasses. Materials Letters, 2021, 295, 129870.	1.3	2
4	Recent advances in neural interfacesâ€"Materials chemistry to clinical translation. MRS Bulletin, 2020, 45, 655-668.	1.7	29
5	Review of Colonic Anastomotic Leakage and Prevention Methods. Journal of Clinical Medicine, 2020, 9, 4061.	1.0	16
6	Indiumâ€"Galliumâ€"Zinc Oxide Schottky Diodes Operating across the Glass Transition of Stimuliâ€Responsive Polymers. Advanced Electronic Materials, 2020, 6, 1901210.	2.6	10
7	Environmental Dynamic Mechanical Analysis to Predict the Softening Behavior of Neural Implants. Journal of Visualized Experiments, 2019, , .	0.2	4
8	Thermoset Polymers for Bioelectronic Interfaces - Engineering of Thermomechanical Properties. , 2019, , .		1
9	Electrical Properties of Thiol-ene-based Shape Memory Polymers Intended for Flexible Electronics. Polymers, 2019, 11, 902.	2.0	23
10	A softening laminar electrode for recording single unit activity from the rat hippocampus. Scientific Reports, 2019, 9, 2321.	1.6	30
11	From softening polymers to multimaterial based bioelectronic devices. Multifunctional Materials, 2019, 2, 012001.	2.4	28
12	A Mosquito Inspired Strategy to Implant Microprobes into the Brain. Scientific Reports, 2018, 8, 122.	1.6	67
13	Softening Shape Memory Polymer Substrates for Bioelectronic Devices With Improved Hydrolytic Stability. Frontiers in Materials, 2018, 5, .	1.2	13
14	Understanding the Effects of Both CD14-Mediated Innate Immunity and Device/Tissue Mechanical Mismatch in the Neuroinflammatory Response to Intracortical Microelectrodes. Frontiers in Neuroscience, 2018, 12, 772.	1.4	17
15	Thin Film Multi-Electrode Softening Cuffs for Selective Neuromodulation. Scientific Reports, 2018, 8, 16390.	1.6	69
16	Chronic Intracortical Recording and Electrochemical Stability of Thiol-ene/Acrylate Shape Memory Polymer Electrode Arrays. Micromachines, 2018, 9, 500.	1.4	47
17	Characterization of the Neuroinflammatory Response to Thiol-ene Shape Memory Polymer Coated Intracortical Microelectrodes. Micromachines, 2018, 9, 486.	1.4	30
18	In vitro compatibility testing of thiolâ€ene/acrylateâ€based shape memory polymers for use in implantable neural interfaces. Journal of Biomedical Materials Research - Part A, 2018, 106, 2891-2898.	2.1	21

#	Article	IF	Citations
19	Characterization of a Thiol-Ene/Acrylate-Based Polymer for Neuroprosthetic Implants. ACS Omega, 2017, 2, 4604-4611.	1.6	29
20	Sterilization of Thiol-ene/Acrylate Based Shape Memory Polymers for Biomedical Applications. Macromolecular Materials and Engineering, 2017, 302, 1600331.	1.7	30
21	Thiolâ€“epoxy/maleimide ternary networks as softening substrates for flexible electronics. Journal of Materials Chemistry B, 2016, 4, 5367-5374.	2.9	14
22	Multifunctional poly(ester urethane) laminates with encoded information. RSC Advances, 2014, 4, 286-292.	1.7	47
23	Novel design approaches for multifunctional information carriers. RSC Advances, 2014, 4, 46680-46688.	1.7	40
24	Freely configurable Functionalization Tool for switchable Information Carriers. , 2014, , 25-35.		0
25	Durability of switchable QR code carriers under hydrolytic and photolytic conditions. Smart Materials and Structures, 2013, 22, 094005.	1.8	19
26	Switchable information carriers based on shape memory polymer. Journal of Materials Chemistry, 2012, 22, 7757.	6.7	87
27	Durability of QR Code Carriers Based on Shape Memory Polymer. , 2012, , .		0
28	Incorporation of Novel Elements in Bioactive Glass Compositions to Enhance Implant Performance. , 0, , .		2