

# Andreas Lendlein

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

622  
papers

22,955  
citations

64  
h-index

139  
g-index

678  
ext. papers

25,044  
ext. citations

4.9  
avg, IF

7.38  
L-index

#	Paper	IF	Citations
622	Opportunities and challenges for integrating the development of sustainable polymer materials within an international circular (bio)economy concept. <i>MRS Energy &amp; Sustainability</i> , <b>2022</b> , 9, 28	2.2	1
621	4D-actuators by 3D-printing combined with water-based curing. <i>Materials Today Communications</i> , <b>2022</b> , 30, 102966	2.5	0
620	Thin-layer studies on surface functionalization of polyetherimide: Hydrolysis versus amidation. <i>Journal of Materials Research</i> , <b>2022</b> , 37, 67	2.5	
619	Chemical modification of uridine modulates mRNA-mediated proinflammatory and antiviral response in primary human macrophages.. <i>Molecular Therapy - Nucleic Acids</i> , <b>2022</b> , 27, 854-869	10.7	0
618	Co-delivery of genes can be confounded by bicistronic vector design.. <i>MRS Communications</i> , <b>2022</b> , 12, 1-9	2.7	
617	Ultrathin collagen type I films formed at the air-water interface. <i>MRS Advances</i> , <b>2022</b> , 7, 56-62	0.7	
616	Analytical model and Monte Carlo simulations of polymer degradation with improved chain cut statistics. <i>Journal of Materials Research</i> , <b>2022</b> , 37, 1093-1101	2.5	0
615	On Demand Sequential Release of (Sub)Micron Particles Controlled by Size and Temperature. <i>Small</i> , <b>2021</b> , e2104621	11	0
614	Switching microobjects from low to high aspect ratios using a shape-memory effect. <i>Soft Matter</i> , <b>2021</b> , 17, 9326-9331	3.6	0
613	Crystallization and degradation behaviour of multiblock copolyester blends in Langmuir monolayers. <i>MRS Communications</i> , <b>2021</b> , 11, 850	2.7	
612	Hydrogel networks by aliphatic dithiol Michael addition to glycidylmethacrylated gelatin. <i>MRS Advances</i> , <b>2021</b> , 6, 796-800	0.7	0
611	Thiol-Thioester Exchange Reactions in Precursors Enable pH-Triggered Hydrogel Formation. <i>Biomacromolecules</i> , <b>2021</b> , 22, 1875-1884	6.9	3
610	Formulation of drug-loaded oligodepsipeptide particles with submicron size. <i>Clinical Hemorheology and Microcirculation</i> , <b>2021</b> , 77, 201-219	2.5	
609	Highly crystalline PCL ultrathin films as thermally switchable biomaterial coatings. <i>MRS Advances</i> , <b>2021</b> , 6, 283-290	0.7	1
608	Cactus-inspired design principles for soft robotics based on 3D printed hydrogel-elastomer systems. <i>Materials and Design</i> , <b>2021</b> , 202, 109515	8.1	10
607	Semi-Crystalline Oligomers: Effect of Water on Crystallization and Melting of Telechelic Oligo(Ecaprolactone)s in Ultrathin Films (Adv. Mater. Interfaces 7/2021). <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2170035	4.6	
606	Fiber diameter as design parameter for tailoring the macroscopic shape-memory performance of electrospun meshes. <i>Materials and Design</i> , <b>2021</b> , 202, 109546	8.1	7

605	Structural performance of a climbing cactus: making the most of softness. <i>Journal of the Royal Society Interface</i> , <b>2021</b> , 18, 20210040	4.1	3
604	Thermally-Induced Shape-Memory Behavior of Degradable Gelatin-Based Networks. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
603	The influence of different rewetting procedures on the thrombogenicity of nanoporous poly(ether imide) microparticles. <i>Clinical Hemorheology and Microcirculation</i> , <b>2021</b> , 77, 367-380	2.5	1
602	Hydrolytic stability of polyetherimide investigated in ultrathin films. <i>Journal of Materials Research</i> , <b>2021</b> , 36, 2987-2994	2.5	1
601	Non-woven shape-memory polymer blend actuators. <i>MRS Advances</i> , <b>2021</b> , 6, 781	0.7	0
600	Origami hand for soft robotics driven by thermally controlled polymeric fiber actuators. <i>MRS Communications</i> , <b>2021</b> , 11, 476-482	2.7	4
599	Effect of Endothelial Culture Medium Composition on Platelet Responses to Polymeric Biomaterials. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
598	Approaches of combining a 3D-printed elastic structure and a hydrogel to create models for plant-inspired actuators. <i>MRS Advances</i> , <b>2021</b> , 6, 625-630	0.7	1
597	Polydopamine-based biofunctional substrate coating promotes mesenchymal stem cell migration. <i>MRS Advances</i> , <b>2021</b> , 6, 739	0.7	2
596	Periodic thermomechanical modulation of toll-like receptor expression and distribution in mesenchymal stromal cells. <i>MRS Communications</i> , <b>2021</b> , 11, 1-7	2.7	1
595	Reaction behaviour of peptide-based single thiol-thioesters exchange reaction substrate in the presence of externally added thiols. <i>MRS Communications</i> , <b>2021</b> , 11, 402-410	2.7	
594	Electrical Actuation of Coated and Composite Fibers Based on Poly[ethylene-co-(vinyl acetate)]. <i>Macromolecular Materials and Engineering</i> , <b>2021</b> , 306, 2000579	3.9	8
593	Dihydroxy terminated teroligomers from morpholine-2,5-diones. <i>European Polymer Journal</i> , <b>2021</b> , 143, 110189	5.2	2
592	Microparticles from glycidylmethacrylated gelatin as cell carriers prepared in an aqueous two-phase system. <i>European Polymer Journal</i> , <b>2021</b> , 142, 110148	5.2	2
591	Impact of block sequence on the phase morphology of multiblock copolymers obtained by high-throughput robotic synthesis. <i>European Polymer Journal</i> , <b>2021</b> , 143, 110207	5.2	3
590	Venous and Arterial Endothelial Cells from Human Umbilical Cords: Potential Cell Sources for Cardiovascular Research. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
589	Response of Endothelial Cells to Gelatin-Based Hydrogels. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 527-540	5.5	4
588	Potential Effects of Nonadherent on Adherent Human Umbilical Venous Endothelial Cells in Cell Culture. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1

587	Enzymatically Triggered Jack-in-the-Box-like Hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 8095-8101	9.5	1
586	Phase Morphology of Multiblock Copolymers Differing in Sequence of Blocks. <i>Macromolecular Materials and Engineering</i> , <b>2021</b> , 306, 2000672	3.9	1
585	Anisotropy Effects in the Shape-Memory Performance of Polymer Foams. <i>Macromolecular Materials and Engineering</i> , <b>2021</b> , 306, 2000730	3.9	2
584	Effect of Water on Crystallization and Melting of Telechelic Oligo( $\epsilon$ -caprolactone)s in Ultrathin Films. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001940	4.6	
583	Assessing the Influence of Temperature-Memory Creation on the Degradation of Copolyesterurethanes in Ultrathin Films. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001926	4.6	3
582	Biofunction of Polydopamine Coating in Stem Cell Culture. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 10748-10759	9.5	12
581	Structure, mechanical properties and degradation behavior of electrospun PEEU fiber meshes and films. <i>MRS Advances</i> , <b>2021</b> , 6, 276-282	0.7	2
580	Cooligomers from morpholine-2,5-dione and para-dioxanone and catalyst complex SnOct2/2-hydroxyethyl sulfide. <i>MRS Advances</i> , <b>2021</b> , 6, 764	0.7	
579	Functionalizable coaxial PLLA/PDLA nanofibers with stereocomplexes at the internal interface. <i>Journal of Materials Research</i> , <b>2021</b> , 36, 2995-3009	2.5	2
578	Bio-inspired and computer-supported design of modulated shape changes in polymer materials. <i>MRS Communications</i> , <b>2021</b> , 11, 462-469	2.7	
577	Size control of shape switchable micronetworks by fast two-step microfluidic templating. <i>Journal of Materials Research</i> , <b>2021</b> , 36, 3248	2.5	
576	Cellular response of blood-borne immune cells to PEEU fiber meshes. <i>Clinical Hemorheology and Microcirculation</i> , <b>2021</b> , 79, 205-216	2.5	
575	The response of human induced pluripotent stem cells to cyclic temperature changes explored by BIO-AFM. <i>MRS Advances</i> , <b>2021</b> , 6, 745	0.7	
574	Establishment of an in vitro thrombogenicity test system with cyclic olefin copolymer substrate for endothelial layer formation. <i>MRS Communications</i> , <b>2021</b> , 11, 1-9	2.7	2
573	Generation of 2.5D lung bud organoids from human induced pluripotent stem cells. <i>Clinical Hemorheology and Microcirculation</i> , <b>2021</b> , 79, 217-230	2.5	1
572	Multifunctionality in Polymer Networks by Dynamic of Coordination Bonds. <i>Macromolecular Chemistry and Physics</i> , <b>2021</b> , 222, 2000394	2.6	1
571	Designing Cardiovascular Implants Taking in View the Endothelial Basement Membrane. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
570	Surface hydrophilization of highly porous poly(ether imide) microparticles by covalent attachment of poly(vinyl pyrrolidone). <i>Polymer</i> , <b>2020</b> , 210, 123045	3.9	1

569	Salt-Induced Shape-Memory Effect in Gelatin-Based Hydrogels. <i>Biomacromolecules</i> , <b>2020</b> , 21, 2024-2031	6.9	8
568	Modulation of Mesenchymal Stem Cell Migration using Programmable Polymer Sheet Actuators. <i>MRS Advances</i> , <b>2020</b> , 5, 2381-2390	0.7	
567	Thin hydrogel coatings formation catalyzed by immobilized enzyme horseradish peroxidase. <i>MRS Advances</i> , <b>2020</b> , 5, 773-783	0.7	
566	Aptamer supported in vitro endothelialization of poly(ether imide) films. <i>Clinical Hemorheology and Microcirculation</i> , <b>2020</b> , 75, 201-217	2.5	3
565	Quantitative Model and Thin Film Studies Relating Molecular Architecture and Degradation of Multifunctional Materials. <i>Cell Reports Physical Science</i> , <b>2020</b> , 1, 100009	6.1	2
564	Shape-Memory Actuation of Individual Micro-/Nanofibers. <i>MRS Advances</i> , <b>2020</b> , 5, 2391-2399	0.7	1
563	In vivo biocompatibility study of degradable homo- versus multiblock copolymers and their (micro)structure compared to an established biomaterial. <i>Clinical Hemorheology and Microcirculation</i> , <b>2020</b> , 75, 163-176	2.5	6
562	mRNA Transfection-Induced Activation of Primary Human Monocytes and Macrophages: Dependence on Carrier System and Nucleotide Modification. <i>Scientific Reports</i> , <b>2020</b> , 10, 4181	4.9	12
561	Shape-Programmable Architected Hydrogels Sensitive to Ultrasound. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e1900658	4.8	2
560	In vitro Degradation Analysis of 3D-architected Gelatin-based Hydrogels. <i>MRS Advances</i> , <b>2020</b> , 5, 633-642	6.7	
559	Bio-based composites from plant based precursors and hydroxyapatite with shape-memory capability. <i>Composites Science and Technology</i> , <b>2020</b> , 194, 108138	8.6	10
558	Functional requirements for polymeric implant materials in head and neck surgery. <i>Clinical Hemorheology and Microcirculation</i> , <b>2020</b> , 76, 179-189	2.5	
557	Understanding the impact of crystal lamellae organization on small molecule diffusion using a Monte Carlo approach. <i>MRS Advances</i> , <b>2020</b> , 5, 2737-2749	0.7	0
556	Actuators Based on Oligo[ε-caprolactone-co-glycolide] with Accelerated Hydrolytic Degradation. <i>MRS Advances</i> , <b>2020</b> , 5, 655-666	0.7	
555	AFM Assessment of the Mechanical Properties of Stem Cells During Differentiation. <i>MRS Advances</i> , <b>2020</b> , 5, 601-607	0.7	1
554	Matching Magnetic Heating and Thermal Actuation for Sequential Coupling in Hybrid Composites by Design. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e1900440	4.8	3
553	Investigating the Phase-Morphology of PLLA-PCL Multiblock Copolymer / PDLA Blends Cross-linked Using Stereocomplexation. <i>MRS Advances</i> , <b>2020</b> , 5, 699-707	0.7	1
552	Polymeric sheet actuators with programmable bioinstructivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 1895-1901	11.5	8

551	Fundamental insights in PLGA degradation from thin film studies. <i>Journal of Controlled Release</i> , <b>2020</b> , 319, 276-284	11.7	20
550	Coaxial electrospinning of PEEU/gelatin to fiber meshes with enhanced mesenchymal stem cell attachment and proliferation. <i>Clinical Hemorheology and Microcirculation</i> , <b>2020</b> , 74, 53-66	2.5	8
549	Solvent-based Fabrication Method for Magnetic, Shape-Memory Nanocomposite Foams. <i>MRS Advances</i> , <b>2020</b> , 5, 785-795	0.7	2
548	The interplay between network morphology and degradation kinetics of polymers: Theoretical and experimental analysis by means of a 2D model system. <i>MRS Advances</i> , <b>2020</b> , 5, 679-691	0.7	
547	Relation between Surface Area and Surface Potential Change during (co)Polyesters Degradation as Langmuir Monolayer. <i>MRS Advances</i> , <b>2020</b> , 5, 667-677	0.7	1
546	Elasticity of fiber meshes from multiblock copolymers influences endothelial cell behavior. <i>Clinical Hemorheology and Microcirculation</i> , <b>2020</b> , 74, 405-415	2.5	5
545	Unraveling the Interplay between Abiotic Hydrolytic Degradation and Crystallization of Bacterial Polyesters Comprising Short and Medium Side-Chain-Length Polyhydroxyalkanoates. <i>Biomacromolecules</i> , <b>2020</b> , 21, 761-771	6.9	5
544	Shape-Memory Effect by Sequential Coupling of Functions over Different Length Scales in an Architected Hydrogel. <i>Biomacromolecules</i> , <b>2020</b> , 21, 680-687	6.9	3
543	Self-stabilized fibronectin films at the air/water interface. <i>MRS Advances</i> , <b>2020</b> , 5, 609-620	0.7	
542	Fine-tuning of Rat Mesenchymal Stem Cell Senescence via Microtopography of Polymeric Substrates. <i>MRS Advances</i> , <b>2020</b> , 5, 643-653	0.7	0
541	Predictive topography impact model for Electrical Discharge Machining (EDM) of metal surfaces. <i>MRS Advances</i> , <b>2020</b> , 5, 621-632	0.7	2
540	Controlling Actuation Performance in Physically Cross-Linked Polylactone Blends Using Polylactide Stereocomplexation. <i>Biomacromolecules</i> , <b>2020</b> , 21, 338-348	6.9	9
539	Strain recovery and stress relaxation behaviour of multiblock copolymer blends physically cross-linked with PLA stereocomplexation. <i>Polymer</i> , <b>2020</b> , 209, 122984	3.9	5
538	Spheroid formation of human keratinocyte: Balancing between cell-substrate and cell-cell interaction. <i>Clinical Hemorheology and Microcirculation</i> , <b>2020</b> , 76, 329-340	2.5	2
537	Strategies for simultaneous and successive delivery of RNA. <i>Journal of Molecular Medicine</i> , <b>2020</b> , 98, 1767-1779	5.5	5
536	Influence of Depolymerases and Lipases on the Degradation of Polyhydroxyalkanoates Determined in Langmuir Degradation Studies. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000872	4.6	9
535	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 2000216	2.6	36
534	Polyester urethane functionalizable through maleimide side-chains and cross-linkable by polylactide stereocomplexes. <i>European Polymer Journal</i> , <b>2020</b> , 137, 109916	5.2	2

533	Alkynyl-functionalized chain-extended PCL for coupling to biological molecules. <i>European Polymer Journal</i> , <b>2020</b> , 136, 109908	5.2	1
532	Polymeric Microcuboids Programmable for Temperature-Memory. <i>Macromolecular Materials and Engineering</i> , <b>2020</b> , 305, 2000333	3.9	3
531	Glucose-responsive shape-memory cryogels. <i>Journal of Materials Research</i> , <b>2020</b> , 35, 2396-2404	2.5	7
530	Intracardiac echocardiography to enable successful edge-to-edge transcatheter tricuspid valve repair in patients with insufficient TEE quality. <i>Clinical Hemorheology and Microcirculation</i> , <b>2020</b> , 76, 199-210	2.5	3
529	Supramolecular Gelatin Networks Based on Inclusion Complexes. <i>Macromolecular Bioscience</i> , <b>2020</b> , 20, e2000221	5.5	2
528	Polyetheresterurethane Based Porous Scaffolds with Tailorable Architectures by Supercritical CO <sub>2</sub> Foaming. <i>MRS Advances</i> , <b>2020</b> , 5, 2317-2330	0.7	2
527	The effects of oscillatory temperature on HaCaT keratinocyte behaviors. <i>Clinical Hemorheology and Microcirculation</i> , <b>2020</b> , 76, 317-327	2.5	0
526	Substrate-enzyme affinity-based surface modification strategy for endothelial cell-specific binding under shear stress. <i>Clinical Hemorheology and Microcirculation</i> , <b>2020</b> , 75, 85-98	2.5	0
525	Bioperspectives for Shape-Memory Polymers as Shape Programmable, Active Materials. <i>Biomacromolecules</i> , <b>2019</b> , 20, 3627-3640	6.9	41
524	Mechanical characterization of electrospun polyesteretherurethane (PEEU) meshes by atomic force microscopy. <i>Clinical Hemorheology and Microcirculation</i> , <b>2019</b> , 73, 229-236	2.5	2
523	Microscale roughness regulates laminin-5 secretion of bone marrow mesenchymal stem cells. <i>Clinical Hemorheology and Microcirculation</i> , <b>2019</b> , 73, 237-247	2.5	8
522	The effect of stiffness variation of electrospun fiber meshes of multiblock copolymers on the osteogenic differentiation of human mesenchymal stem cells. <i>Clinical Hemorheology and Microcirculation</i> , <b>2019</b> , 73, 219-228	2.5	5
521	Temperature-induced evolution of microstructures on poly[ethylene-co-(vinyl acetate)] substrates switches their underwater wettability. <i>Materials and Design</i> , <b>2019</b> , 163, 107530	8.1	6
520	Shear-induced platelet adherence and activation in an in-vitro dynamic multiwell-plate system. <i>Clinical Hemorheology and Microcirculation</i> , <b>2019</b> , 71, 183-191	2.5	8
519	Hydrolytic stability of aliphatic poly(carbonate-urea-urethane)s: Influence of hydrocarbon chain length in soft segment. <i>Polymer Degradation and Stability</i> , <b>2019</b> , 161, 283-297	4.7	7
518	Shape-Memory Polymers. <i>Polymers and Polymeric Composites</i> , <b>2019</b> , 605-663	0.6	1
517	Amides as Non-polymerizable Catalytic Adjuncts Enable the Ring-Opening Polymerization of Lactide With Ferrous Acetate Under Mild Conditions. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 346	5	1
516	Shape-Memory Polymers. <i>Polymers and Polymeric Composites</i> , <b>2019</b> , 1-59	0.6	

515	Dedifferentiation of mature adipocytes with periodic exposure to cold. <i>Clinical Hemorheology and Microcirculation</i> , <b>2019</b> , 71, 415-424	2.5	5
514	Molecular Insights into the Physical Adsorption of Amphiphilic Protein PhaF onto Copolyester Surfaces. <i>Biomacromolecules</i> , <b>2019</b> , 20, 3242-3252	6.9	10
513	Temperature-controlled reversible pore size change of electrospun fibrous shape-memory polymer actuator based meshes. <i>Smart Materials and Structures</i> , <b>2019</b> , 28, 055037	3.4	14
512	Programmable microscale stiffness pattern of flat polymeric substrates by temperature-memory technology. <i>MRS Communications</i> , <b>2019</b> , 9, 181-188	2.7	1
511	Quadruple-shape hydrogels. <i>Smart Materials and Structures</i> , <b>2019</b> , 28, 055026	3.4	6
510	Oligodepsipeptide (nano)carriers: Computational design and analysis of enhanced drug loading. <i>Journal of Controlled Release</i> , <b>2019</b> , 301, 146-156	11.7	16
509	Interfacial properties of morpholine-2,5-dione-based oligodepsipeptides and multiblock copolymers. <i>MRS Communications</i> , <b>2019</b> , 9, 170-180	2.7	2
508	Perfluorophenyl azide functionalization of electrospun poly(para-dioxanone). <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 1165-1172	3.2	1
507	Shape-Memory Polymer Medical Devices <b>2019</b> , 394-405		
506	Phagocytosis of spherical and ellipsoidal micronetwork colloids from crosslinked poly( $\epsilon$ -caprolactone). <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 567, 118461	6.5	5
505	Chemoresponsive Shape-Memory Effect of Rhodium-Biphosphine Coordination Polymer Networks. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5402-5407	9.6	15
504	Reversible 2D networks of oligo( $\epsilon$ -caprolactone) at the air-water interface. <i>Biomedical Materials (Bristol)</i> , <b>2019</b> , 14, 034103	3.5	7
503	In Vitro Thrombogenicity Testing of Biomaterials. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900527	10.1	25
502	Characterization of Tissue Transglutaminase as a Potential Biomarker for Tissue Response toward Biomaterials. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 5979-5989	5.5	3
501	Shape memory nanocomposite fibers for untethered high-energy microengines. <i>Science</i> , <b>2019</b> , 365, 155-158	33.9	90
500	Microscopic analysis of shape-shiftable oligo ( $\epsilon$ -caprolactone) based particles. <i>MRS Advances</i> , <b>2019</b> , 4, 3199-3206	0.7	
499	Thiol Michael-Type Reactions of Optically Active Mercapto-Acids in Aqueous Medium. <i>MRS Advances</i> , <b>2019</b> , 4, 2515-2525	0.7	2
498	Reprogrammable recovery and actuation behaviour of shape-memory polymers. <i>Nature Reviews Materials</i> , <b>2019</b> , 4, 116-133	73.3	260



497	Langmuir Monolayers as Tools to Study Biodegradable Polymer Implant Materials. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1800611	4.8	10
496	Modulating human mesenchymal stem cells using poly(n-butyl acrylate) networks in vitro with elasticity matching human arteries. <i>Clinical Hemorheology and Microcirculation</i> , <b>2019</b> , 71, 277-289	2.5	4
495	Collagen type-IV Langmuir and Langmuir-Sch�ber layers as model biointerfaces to direct stem cell adhesion. <i>Biomedical Materials (Bristol)</i> , <b>2019</b> , 14, 024101	3.5	8
494	Effects of extracts prepared from modified porous poly(ether imide) microparticulate absorbers on cytotoxicity, macrophage differentiation and proinflammatory behavior of human monocytic (THP-1) cells. <i>Clinical Hemorheology and Microcirculation</i> , <b>2018</b> , 69, 175-185	2.5	1
493	Albumin solder covalently bound to a polymer membrane: New approach to improve binding strength in laser tissue soldering in-vitro. <i>Clinical Hemorheology and Microcirculation</i> , <b>2018</b> , 69, 317-326	2.5	2
492	Revival of transcatheter PFO closure: A meta-analysis of randomized controlled trials - impact of shunt size and age. <i>American Heart Journal</i> , <b>2018</b> , 201, 95-102	4.9	7
491	Interplay between stiffness and degradation of architected gelatin hydrogels leads to differential modulation of chondrogenesis in vitro and in vivo. <i>Acta Biomaterialia</i> , <b>2018</b> , 69, 83-94	10.8	34
490	Sequential alkyne-azide cycloadditions for functionalized gelatin hydrogel formation. <i>European Polymer Journal</i> , <b>2018</b> , 100, 77-85	5.2	13
489	Influence of different surface treatments of poly(n-butyl acrylate) networks on fibroblasts adhesion, morphology and viability. <i>Clinical Hemorheology and Microcirculation</i> , <b>2018</b> , 69, 305-316	2.5	4
488	Implementing and Quantifying the Shape-Memory Effect of Single Polymeric Micro/Nanowires with an Atomic Force Microscope. <i>ChemPhysChem</i> , <b>2018</b> , 19, 2078-2084	3.2	11
487	Extractable Free Polymer Chains Enhance Actuation Performance of Crystallizable Poly(�caprolactone) Networks and Enable Self-Healing. <i>Polymers</i> , <b>2018</b> , 10,	4.5	10
486	The predictive value of a modified Carpentier classification in patients with coincidental mitral regurgitation undergoing TAVI for severe aortic valve stenosis1. <i>Clinical Hemorheology and Microcirculation</i> , <b>2018</b> , 70, 15-25	2.5	1
485	Comparison of two substrate materials used as negative control in endothelialization studies: Glass versus polymeric tissue culture plate. <i>Clinical Hemorheology and Microcirculation</i> , <b>2018</b> , 69, 437-445	2.5	4
484	A multifunctional multimaterial system for on-demand protein release. <i>Journal of Controlled Release</i> , <b>2018</b> , 284, 240-247	11.7	11
483	Reversible Actuation of Thermoplastic Multiblock Copolymers with Overlapping Thermal Transitions of Crystalline and Glassy Domains. <i>Macromolecules</i> , <b>2018</b> , 51, 4624-4632	5.5	18
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164	Drug Delivery Systems <b>2011</b> , 363-378		3
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