

Patrick Hunziker

List of Publications by Year in descending order

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35
papers

5,399
citations

279798

23
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

8164
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic and Quantitative Structure-Property Relationships of Polymeric Medical Nanomaterials: From Systematic Synthesis and Characterization to Computer Modeling and Nano-Bio Interaction and Toxicity. <i>ACS Applied Bio Materials</i> , 2020, 3, 6919-6931.	4.6	2
2	FRET in a Polymeric Nanocarrier: IR-780 and IR-780-PDMS. <i>Biomacromolecules</i> , 2019, 20, 4065-4074.	5.4	9
3	PDMS with designer functionalities' Properties, modifications strategies, and applications. <i>Progress in Polymer Science</i> , 2018, 83, 97-134.	24.7	478
4	Polymeric nanosystems for near-infrared multispectral photoacoustic imaging: Synthesis, characterization and in vivo evaluation. <i>European Polymer Journal</i> , 2017, 88, 713-723.	5.4	14
5	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017, 11, 2313-2381.	14.6	976
6	A Tensor B-Spline Approach for Solving the Diffusion PDE With Application to Optical Diffusion Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 972-982.	8.9	4
7	Efficient Receptor Mediated siRNA Delivery in Vitro by Folic Acid Targeted Pentablock Copolymer-Based Micelleplexes. <i>Biomacromolecules</i> , 2017, 18, 2654-2662.	5.4	18
8	Microfluidic 3D Helix Mixers. <i>Micromachines</i> , 2016, 7, 189.	2.9	13
9	Diagnosing dengue virus infection: rapid tests and the role of micro/nanotechnologies. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1745-1761.	3.3	38
10	Microfluidics-based single-step preparation of injection-ready polymeric nanosystems for medical imaging and drug delivery. <i>Nanoscale</i> , 2015, 7, 16983-16993.	5.6	27
11	Intelligent nanomaterials for medicine: Carrier platforms and targeting strategies in the context of clinical application. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 742-757.	3.3	179
12	Plasmid linearization changes shape and efficiency of transfection complexes. <i>European Journal of Nanomedicine</i> , 2013, 5, .	0.6	12
13	Nanomedicine enabled by computational sciences. <i>European Journal of Nanomedicine</i> , 2013, 5, .	0.6	1
14	Designing switchable nanosystems for medical application. <i>Journal of Controlled Release</i> , 2012, 161, 307-316.	9.9	89
15	Leadership in Medical Emergencies Depends on Gender and Personality. <i>Simulation in Healthcare</i> , 2011, 6, 78-83.	1.2	35
16	Brief leadership instructions improve cardiopulmonary resuscitation in a high-fidelity simulation: A randomized controlled trial*. <i>Critical Care Medicine</i> , 2010, 38, 1086-1091.	0.9	218
17	Towards Targeted Drug Delivery by Covalent Ligand-Modified Polymeric Nanocontainers. <i>Macromolecular Symposia</i> , 2010, 296, 278-285.	0.7	3
18	Nano Imaging Technologies: Polymer vesicles loaded with precipitated gadolinium nanoparticles: A novel target-specific contrast agent for magnetic resonance imaging. <i>European Journal of Nanomedicine</i> , 2009, 2, .	0.6	10

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19	Cell-Specific Integration of Artificial Organelles Based on Functionalized Polymer Vesicles. <i>Nano Letters</i> , 2008, 8, 1368-1373.	9.1	133
20	Long-term benefit-risk balance of drug-eluting vs. bare-metal stents in daily practice: does stent diameter matter? Three-year follow-up of BASKET. <i>European Heart Journal</i> , 2008, 30, 16-24.	2.2	99
21	High-Performance Immunoassays Based on Through-Stencil Patterned Antibodies and Capillary Systems. <i>Analytical Chemistry</i> , 2008, 80, 1763-1769.	6.5	40
22	Inhibition of Macrophage Phagocytotic Activity by a Receptor-targeted Polymer Vesicle-based Drug Delivery Formulation of Pravastatin. <i>Journal of Cardiovascular Pharmacology</i> , 2008, 51, 246-252.	1.9	75
23	Capillary pumps for autonomous capillary systems. <i>Lab on A Chip</i> , 2007, 7, 119-125.	6.0	308
24	Targeting of Vulnerable Plaque Macrophages with Polymer-Based Nanostructures. <i>Trends in Cardiovascular Medicine</i> , 2007, 17, 190-196.	4.9	10
25	Screening cell surface receptors using micromosaic immunoassays. <i>Biomedical Microdevices</i> , 2007, 9, 135-141.	2.8	16
26	Toward Intelligent Nanosize Bioreactors: A pH-Switchable, Channel-Equipped, Functional Polymer Nanocontainer. <i>Nano Letters</i> , 2006, 6, 2349-2353.	9.1	231
27	Late Clinical Events After Clopidogrel Discontinuation May Limit the Benefit of Drug-Eluting Stents. <i>Journal of the American College of Cardiology</i> , 2006, 48, 2584-2591.	2.8	1,242
28	Leading to Recovery: Group Performance and Coordinative Activities in Medical Emergency Driven Groups. <i>Human Performance</i> , 2006, 19, 277-304.	2.4	126
29	Cell targeting by a generic receptor-targeted polymer nanocontainer platform. <i>Journal of Controlled Release</i> , 2005, 102, 475-488.	9.9	196
30	Modeling and Optimization of High-Sensitivity, Low-Volume Microfluidic-Based Surface Immunoassays. <i>Biomedical Microdevices</i> , 2005, 7, 99-110.	2.8	151
31	Spatio-temporal nonrigid registration for ultrasound cardiac motion estimation. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 1113-1126.	8.9	243
32	Continuous flow in open microfluidics using controlled evaporation. <i>Lab on A Chip</i> , 2005, 5, 1355.	6.0	78
33	Myocardial motion analysis from B-mode echocardiograms. <i>IEEE Transactions on Image Processing</i> , 2005, 14, 525-536.	9.8	116
34	Simultaneous detection of C-reactive protein and other cardiac markers in human plasma using micromosaic immunoassays and self-regulating microfluidic networks. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1193-1202.	10.1	172
35	Multiresolution Moment Filters: Theory and Applications. <i>IEEE Transactions on Image Processing</i> , 2004, 13, 484-495.	9.8	37