Patrick Hunziker

List of Publications by Year in descending order

51 papers	2,898 citations	516561 16 h-index	243529 44 g-index
56 all docs	56 docs citations	56 times ranked	5903 citing authors

#	Article	IF	Citations
1	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	7.3	976
2	PDMS with designer functionalitiesâ€"Properties, modifications strategies, and applications. Progress in Polymer Science, 2018, 83, 97-134.	11.8	478
3	Toward Intelligent Nanosize Bioreactors:Â A pH-Switchable, Channel-Equipped, Functional Polymer Nanocontainer. Nano Letters, 2006, 6, 2349-2353.	4.5	231
4	Cell targeting by a generic receptor-targeted polymer nanocontainer platform. Journal of Controlled Release, 2005, 102, 475-488.	4.8	196
5	Intelligent nanomaterials for medicine: Carrier platforms and targeting strategies in the context of clinical application. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 742-757.	1.7	179
6	Carbohydrate-based amphiphilic nano delivery systems for cancer therapy. Nanoscale, 2016, 8, 16091-16156.	2.8	145
7	Cell-Specific Integration of Artificial Organelles Based on Functionalized Polymer Vesicles. Nano Letters, 2008, 8, 1368-1373.	4.5	133
8	Designing switchable nanosystems for medical application. Journal of Controlled Release, 2012, 161, 307-316.	4.8	89
9	Challenges of clinical translation in nanomedicine: A qualitative study. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 893-900.	1.7	79
10	Atherosclerosis: Insights into Vascular Pathobiology and Outlook to Novel Treatments. Journal of Cardiovascular Translational Research, 2020, 13, 744-757.	1.1	41
11	Diagnosing dengue virus infection: rapid tests and the role of micro/nanotechnologies. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1745-1761.	1.7	38
12	Transmission-blocking strategies: the roadmap from laboratory bench to the community. Malaria Journal, 2016, 15, 95.	0.8	37
13	Clinical scenarios for use of transvalvular microaxial pumps in acute heart failure and cardiogenic shock â€" A European experienced users working group opinion. International Journal of Cardiology, 2019, 291, 96-104.	0.8	30
14	Microfluidics-based single-step preparation of injection-ready polymeric nanosystems for medical imaging and drug delivery. Nanoscale, 2015, 7, 16983-16993.	2.8	27
15	Left ventricular unloading and the role of ECpella. European Heart Journal Supplements, 2021, 23, A27-A34.	0.0	21
16	Efficient Receptor Mediated siRNA Delivery in Vitro by Folic Acid Targeted Pentablock Copolymer-Based Micelleplexes. Biomacromolecules, 2017, 18, 2654-2662.	2.6	18
17	Polymeric nanosystems for near-infrared multispectral photoacoustic imaging: Synthesis, characterization and in vivo evaluation. European Polymer Journal, 2017, 88, 713-723.	2.6	14
18	Escalation and de-escalation of mechanical circulatory support in cardiogenic shock. European Heart Journal Supplements, 2021, 23, A35-A40.	0.0	14

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19	Microfluidic 3D Helix Mixers. Micromachines, 2016, 7, 189.	1.4	13
20	Percutaneous biventricular cardiac assist device in cardiogenic shock. European Heart Journal, 2013, 34, 1620-1620.	1.0	12
21	Plasmid linearization changes shape and efficiency of transfection complexes. European Journal of Nanomedicine, 2013, 5, .	0.6	12
22	Bedside quantification of atherosclerosis severity for cardiovascular risk stratification: a prospective cohort study. Journal of the American College of Cardiology, 2002, 39, 702-709.	1.2	10
23	Nano Imaging Technologies: Polymer vesicles loaded with precipitated gadolinium nanoparticles: A novel target-specific contrast agent for magnetic resonance imaging. European Journal of Nanomedicine, 2009, 2, .	0.6	10
24	Construction of programmable interconnected 3D microfluidic networks. Journal of Micromechanics and Microengineering, 2015, 25, 025018.	1.5	9
25	FRET in a Polymeric Nanocarrier: IR-780 and IR-780-PDMS. Biomacromolecules, 2019, 20, 4065-4074.	2.6	9
26	Smallâ€Scale Robots in Fluidic Media. Advanced Intelligent Systems, 2019, 1, 1900035.	3.3	7
27	Schistosomiasis: from established diagnostic assays to emerging micro/nanotechnology-based rapid field testing for clinical management and epidemiology. Precision Nanomedicine, 2020, 3, 439-458.	0.4	7
28	Long-Term Follow-Up and Dobutamine Stress Echocardiography of 19-mm Prosthetic Heart Valves. Echocardiography, 1998, 15, 617-624.	0.3	5
29	Why not just switch on the light?: light and its versatile applications in the field of nanomedicine. European Journal of Nanomedicine, 2012, 4, 73-80.	0.6	5
30	Incidence and timing of serious arrhythmias after early revascularization in non ST-elevation myocardial infarction. European Heart Journal: Acute Cardiovascular Care, 2015, 4, 359-364.	0.4	5
31	Subtractive Manufacturing of Microfluidic 3D Braid Mixers. Advanced Engineering Materials, 2018, 20, 1800243.	1.6	5
32	Managing vascular access and closure for percutaneous mechanical circulatory support. European Heart Journal Supplements, 2021, 23, A10-A14.	0.0	5
33	Minimising exposure to respiratory droplets, â€˜jet ridersâ€™ and aerosols in air-conditioned hospital rooms by a â€˜Shield-and-Sinkâ€™ strategy. BMJ Open, 2021, 11, e047772.	0.8	4
34	Towards Targeted Drug Delivery by Covalent Ligandâ€Modified Polymeric Nanocontainers. Macromolecular Symposia, 2010, 296, 278-285.	0.4	3
35	Vaccination Strategies for Minimizing Loss of Life in COVID-19 in a Europe Lacking Vaccines. SSRN Electronic Journal, 0, , .	0.4	3
36	Cardioprotective shock management: monitoring and supportive therapies. European Heart Journal Supplements, 2021, 23, A3-A9.	0.0	3

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37	Personalized-dose Covid-19 vaccination in a wave of virus Variants of Concern: Trading individual efficacy for societal benefit. Precision Nanomedicine, 2021, 4, .	0.4	3
38	Morbidity associated with Schistosoma mansoni infection in north-eastern Democratic Republic of the Congo. PLoS Neglected Tropical Diseases, 2021, 15, e0009375.	1.3	3
39	Epidemiology of Schistosoma mansoni infection in Ituri Province, north-eastern Democratic Republic of the Congo. PLoS Neglected Tropical Diseases, 2021, 15, e0009486.	1.3	3
40	Sepsis-associated myocardial dysfunction: from bedside to bench. Journal of Organ Dysfunction, 2009, 5, 79-90.	0.3	2
41	Systematic and Quantitative Structureâ€“Property Relationships of Polymeric Medical Nanomaterials: From Systematic Synthesis and Characterization to Computer Modeling and Nanoâ€“Bio Interaction and Toxicity. ACS Applied Bio Materials, 2020, 3, 6919-6931.	2.3	2
42	Two cases of successful treatment of acute right heart failure with Impella RPÂ®. ESC Heart Failure, 2020, 7, 1982-1986.	1.4	2
43	Lean Ad hoc Extracorporeal Membrane Oxygenation Systems for COVID-19. ASAIO Journal, 2021, 67, 12-17.	0.9	1
44	Minimizing Loss of Life in COVID-19 in a 100 Day Period in the U.S.A. by Personalized-Dose Vaccination. SSRN Electronic Journal, 0, , .	0.4	1
45	Venovenous extracorporeal membrane oxygenation to treat hypercapnia in a morbidly obese patient. Swiss Medical Weekly, 2018, 148, w14639.	0.8	1
46	Application of ridgelet in cubic data compression. , 2007, , .		0
47	Comprehensive targeting: the avenue to a personalized, highly effective, innocuous, and cost-effective medicine of the future. European Journal of Nanomedicine, 2013, 5, .	0.6	0
48	Nanomedicine translation from enabling technologies to the patient: focus on infectious diseases. European Journal of Nanomedicine, 2016, 8, .	0.6	0
49	Cost-effectiveness: A challenge for dengue rapid nanodiagnostic tests. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 251-252.	1.7	0
50	Patients with severe schistosomiasis mansoni in Ituri Province, Democratic Republic of the Congo. Infectious Diseases of Poverty, 2021, 10, 39.	1.5	0
51	Predicting team-performance and leadership in emergency situations by observing standardised operational procedures: a prospective single-blind simulator-based trial. BMJ Simulation and Technology Enhanced Learning, 2019, 5, 102-107.	0.7	0