

Authors	Title	Publication	Volume	Number	Pages	Year	Publisher
Hunziker, Patrick; Zenklusen, Urs;	Lean Ad hoc Extracorporeal Membrane Oxygenation Systems for COVID-19	ASAIO Journal	67	1	12-17	2021	LWW
Hunziker, Patrick;	Vaccination strategies for minimizing loss of life in Covid-19 in a Europe lacking vaccines	Available at SSRN 3780050				2021	
Hunziker, Patrick;	Impact of personalized-dose vaccination in Covid-19 with a limited vaccine supply in a 100 day period in the medRxiv					2021	Cold Spring Harbor Laboratory Press
Hunziker, Patrick;	Personalized-Dose COVID-19 Vaccination in a Wave of Virus Variants of Concern: Trading Individual Efficacy for Availability at SSRN 3794249					2021	
Nigo, Maurice Mutro; Salieb-Beugelaar, Georgette B; Battagay, Manuel; Odermatt, Peter; Hunziker, Patrick;	Schistosomiasis: from established diagnostic assays to emerging micro/nanotechnology-based rapid field tests	Pre. Nanomed.	3	1	439-458	2020	Andover House, Andover, MA
Wolf, Marc P; Hunziker, Patrick;	Atherosclerosis: insights into vascular pathobiology and outlook to novel treatments	Journal of cardiovascular translational research			1-14	2020	Springer US
Liu, Kegang; Wang, Xueya; Li-Blatzer, Xiaochun; Wolf, Marc; Hunziker, Patrick;	Systematic and Quantitative Structure-Property Relationships of Polymeric Medical Nanomaterials: From Synthesis to Application	ACS Applied Bio Materials	3	10	6919-6931	2020	American Chemical Society
MUTRO, MAURICE NIGO; Odermatt, Peter; Mutro, David; Beugelaar, Georgette; Battagay, Manuel; Hunziker, Patrick;	Morbidity associated with Schistosoma mansoni infection in northeastern Democratic Republic of the Congo	medRxiv				2020	Cold Spring Harbor Laboratory Press
Hunziker, Patrick; Odermatt, Peter; Battagay, Manuel; Beugelaar, Georgette;	Epidemiology of Schistosoma mansoni infection in Ituri Province, North-eastern Democratic Republic of the Congo	medRxiv				2020	Cold Spring Harbor Laboratory Press
Hunziker, Patrick;	Minimizing exposure to respiratory droplets, jet riders' and aerosols in air-conditioned hospital rooms by a SiO <sub>2</sub> coating	medRxiv				2020	Cold Spring Harbor Laboratory Press
Wolf, Marc P; Liu, Kegang; Horn, Thomas FW; Hunziker, Patrick;	FRET in a polymeric nanocarrier: IR-780 and IR-780-PDMS	Biomacromolecules	20	11	4065-4074	2019	American Chemical Society
Kosa, Gabor; Hunziker, Patrick;	Small Scale Robots in Fluidic Media	Advanced Intelligent Systems	1	7	1900035	2019	John Wiley & Sons, Ltd
Salieb-Beugelaar, Georgette Bernice; Liu, Kegang; Hunziker, Patrick;	Subtractive Manufacturing of Microfluidic 3D Braid Mixers	Advanced Engineering Materials	20	11	1800243	2018	
Liu, Kegang; Wang, Xueya; Ntziachristos, Vasilis; Marsch, Stephan; Hunziker, Patrick;	Polymeric nanosystems for near-infrared multispectral photoacoustic imaging: Synthesis, characterization and application	European Polymer Journal	88		713-723	2017	Pergamon
Lehner, Roman; Liu, Kegang; Wang, Xueya; Wolf, Marc; Hunziker, Patrick;	A comparison of plasmid DNA delivery efficiency and cytotoxicity of two cationic diblock polyoxazoline copolymers	Nanotechnology	28	17	175602	2017	IOP Publishing
Pelaz, Beatriz; Alexiou, Christoph; Alvarez-Puebla, Ramon A; Alves, Frauke; Andrews, Anne M; Ashraf, Sumaira	Diverse applications of nanomedicine	ACS nano	11	3	2313-2381	2017	American Chemical Society
Lehner, Roman; Liu, Kegang; Wang, Xueya; Hunziker, Patrick;	Efficient receptor-mediated siRNA delivery in vitro by folic acid targeted pentablock copolymer-based micelles	Biomacromolecules	18	8	2654-2662	2017	American Chemical Society
Zhang, Bei; Hunziker, Patrick;	Cost effectiveness: A challenge for dengue rapid diagnostic tests	Nanomedicine: nanotechnology, biology, and medicine	12	1	251-252	2016	
Sat'alkar, Priya; Elger, Bernice Simon; Hunziker, Patrick; Shaw, David;	Challenges of clinical translation in nanomedicine: A qualitative study	Nanomedicine: Nanotechnology, Biology and Medicine	12	4	893-900	2016	Elsevier
Gonçalves, Daniel; Hunziker, Patrick;	Transmission-blocking strategies: the roadmap from laboratory bench to the community	Malaria Journal	15	1	1-13	2016	BioMed Central
Hunziker, Patrick;	Nanomedicine translation from enabling technologies to the patient: focus on infectious diseases	European Journal of Nanomedicine	8	3	113-114	2016	De Gruyter
Salieb-Beugelaar, Georgette B; Zhang, Bei; Nigo, Maurice M; Frischmann, Sieghard; Hunziker, Patrick R;	Improving diagnosis of pneumococcal disease by multiparameter testing and micro/nanotechnologies	European Journal of Nanomedicine	8	3	115-128	2016	De Gruyter
Liu, Kegang; Jiang, Xiaohua; Hunziker, Patrick;	Carbohydrate-based amphiphilic nano delivery systems for cancer therapy	Nanoscale	8	36	16091-16156	2016	Royal Society of Chemistry
Salieb-Beugelaar, Georgette B; Gonçalves, Daniel; Wolf, Marc P; Hunziker, Patrick;	Microfluidic 3D helix mixers	Micromachines	7	10	189	2016	Multidisciplinary Digital Publishing Institute
Volosyuk, VK; Zhilya, SS; Kravchenko, VF; Morozov, AV; Pustovoi, VI; Hunziker, P;	Method of holographic imaging of inhomogeneities in the density of a substance of a semitransparent medium	Doklady Physics	61	12	590-595	2016	Pleiades Publishing
Hunziker, Patrick R; Wolf, Marc P; Wang, Xueya; Zhang, Bei; Marsch, Stephan; Salieb-Beugelaar, Georgette B;	Construction of programmable interconnected 3D microfluidic networks	Journal of Micromechanics and Microengineering	25	2	025018	2015	IOP Publishing
Salieb-Beugelaar, Georgette B; Hunziker, Patrick R;	Towards nano-diagnostics for bacterial infections	European Journal of Nanomedicine	7	1	37-50	2015	De Gruyter
Hunziker, Patrick;	Towards Personalized and Curative Medicine	Handbook of Safety Assessment of Nanomaterials, Ed. Bengt Fadeel			523-532	2015	CRC Press, Brookhaven
Zhang, Bei; Salieb-Beugelaar, Georgette B; Nigo, Maurice Mutro; Weidmann, Manfred; Hunziker, Patrick;	Diagnosing dengue virus infection: rapid tests and the role of micro/nanotechnologies	Nanomedicine: Nanotechnology, Biology and Medicine	11	7	1745-1761	2015	Elsevier
Liu, Kegang; Zhu, Zhen; Wang, Xueya; Gonçalves, Daniel; Zhang, Bei; Hierlemann, Andreas; Hunziker, Patrick;	Microfluidics-based single-step preparation of injection-ready polymeric nanosystems for medical imaging and diagnosis	Nanoscale	7	40	16983-16993	2015	Royal Society of Chemistry
Salieb-Beugelaar, Georgette B; Hunziker, Patrick R;	Towards nano-diagnostics for rapid diagnosis of infectious diseases-current technological state	European Journal of Nanomedicine	6	1	11-28	2014	De Gruyter
Lehner, Roman; Wang, Xueya; Marsch, Stephan; Hunziker, Patrick;	Intelligent nanomaterials for medicine: carrier platforms and targeting strategies in the context of clinical applications	Nanomedicine: Nanotechnology, Biology and Medicine	9	6	742-757	2013	Elsevier
Hunziker, Patrick;	Comprehensive targeting: the avenue to personalized, highly effective, innocuous, and cost-effective medicine	European Journal of Nanomedicine	5	1	3-4	2013	De Gruyter
Lehner, Roman; Wang, Xueya; Hunziker, Patrick;	Plasmid linearization changes shape and efficiency of transfection complexes	European Journal of Nanomedicine	5	4	205-212	2013	De Gruyter
Hunziker, Patrick;	Nanomedicine enabled by computational sciences	European Journal of Nanomedicine	5	4	173-174	2013	De Gruyter
Hunziker, Patrick;	Nanomedicine: the use of nano-scale science for the benefit of the patient	Basel, CLINAM—European Foundation for Clinical Nanomedicine www. clinam. org				2013	
Lehner, Roman; Wang, Xueya; Wolf, Marc; Hunziker, Patrick;	Designing switchable nanosystems for medical application	Journal of controlled release	161	2	307-316	2012	Elsevier
Hunziker, Patrick;	Knowledge-based (personalized) medicine" instead of "evidence-based (cohort) medicine"	European Journal of Nanomedicine	4	1	5-6	2012	Walter de Gruyter
Wang, Xueya; Wolf, Marc P; Keel, Rahel Bänziger; Lehner, Roman; Hunziker, Patrick;	Polydimethylsiloxane embedded mouse aorta ex vivo perfusion model: proof-of-concept study focusing on a journal of biomedical optics		17	7	076006	2012	International Society for Optics and Photonics
Hunziker, Patrick;	Nanomedicine-shaping the medicine of the future	Zeitschrift fuer Medizinische Physik	1	22	1-3	2012	
Lehner, Roman; Hunziker, Patrick;	Why not just switch on the light?: light and its versatile applications in the field of nanomedicine	European Journal of Nanomedicine	4	2-4	73-80	2012	De Gruyter
Abrahamyan, SS; Sahakyan, IK; Tumasyan, NV; Broz, P; Hunziker, P; Semerjyan, AB; Sisakian, HS;	Immunohistochemical localization of nanocontainers in mouse tissues	The New Armenian Medical Journal	5	2	49-53	2011	