

Anja Mz Boisen

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.

307
papers

9,946
citations

51
h-index

86
g-index

334
ext. papers

11,751
ext. citations

5.8
avg, IF

6.28
L-index

#	Paper	IF	Citations
307	Open source anaerobic and temperature-controlled model enabling real-time release studies with live bacteria.. <i>HardwareX</i> , 2022 , 11, e00275	2.7	0
306	Optimizing oral delivery of next generation probiotics. <i>Trends in Food Science and Technology</i> , 2022 , 119, 101-109	15.3	0
305	Impact of oral gavage technique of drug-containing microcontainers on the gastrointestinal transit and absorption in rats.. <i>International Journal of Pharmaceutics</i> , 2022 , 121630	6.5	0
304	Self-propelled Janus micromotors for pH-responsive release of small molecule drug. <i>Applied Materials Today</i> , 2022 , 27, 101418	6.6	4
303	Visualizing undyed microplastic particles and fibers with plasmon-enhanced fluorescence. <i>Chemical Engineering Journal</i> , 2022 , 442, 136117	14.7	0
302	Open-source force analyzer with broad sensing range based on an optical pickup unit.. <i>HardwareX</i> , 2022 , 11, e00308	2.7	1
301	Lab-on-a-disk extraction of PBMC and metered plasma from whole blood: An advanced event-triggered valving strategy. <i>Biomicrofluidics</i> , 2021 , 15, 064102	3.2	0
300	Colon-Specific Delivery of Bioactive Agents Using Genipin-Cross-Linked Chitosan Coated Microcontainers. <i>ACS Applied Bio Materials</i> , 2021 , 4, 752-762	4.1	6
299	Consumer-Grade Inkjet Printer for Versatile and Precise Chemical Deposition. <i>ACS Omega</i> , 2021 , 6, 77863-7794	3.94	1
298	Co-delivery of ciprofloxacin and colistin using microcontainers for bacterial biofilm treatment. <i>International Journal of Pharmaceutics</i> , 2021 , 599, 120420	6.5	1
297	X-ray Imaging for Gastrointestinal Tracking of Microscale Oral Drug Delivery Devices. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 2538-2547	5.5	3
296	In vitro and in vivo comparison of microcontainers and microspheres for oral drug delivery. <i>International Journal of Pharmaceutics</i> , 2021 , 600, 120516	6.5	2
295	Enhanced Eradication of Mucin-Embedded Bacterial Biofilm by Locally Delivered Antibiotics in Functionalized Microcontainers. <i>Macromolecular Bioscience</i> , 2021 , 21, e2100150	5.5	2
294	Quantification of Methotrexate in Human Serum Using Surface-Enhanced Raman Scattering-Toward Therapeutic Drug Monitoring. <i>ACS Sensors</i> , 2021 , 6, 2664-2673	9.2	2
293	Polymeric nano- and microparticulate drug delivery systems for treatment of biofilms. <i>Advanced Drug Delivery Reviews</i> , 2021 , 174, 30-52	18.5	16
292	Hot punching for loading of biodegradable microcontainers with budesonide-Soluplus film. <i>Biomedical Microdevices</i> , 2021 , 23, 37	3.7	0
291	Design of a self-unfolding delivery concept for oral administration of macromolecules. <i>Journal of Controlled Release</i> , 2021 , 329, 948-954	11.7	7

290	Tissue-based biosensor for monitoring the antioxidant effect of orally administered drugs in the intestine. <i>Bioelectrochemistry</i> , 2021 , 138, 107720	5.6	5
289	Micro and nanoscale 3D printing using optical pickup unit from a gaming console. <i>Communications Physics</i> , 2021 , 4,	5.4	5
288	Sensing technologies and experimental platforms for the characterization of advanced oral drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2021 , 176, 113850	18.5	2
287	3D Printed Stackable Titer Plate Inserts Supporting Three Interconnected Tissue Models for Drug Transport Studies. <i>Advanced Biology</i> , 2020 , 4, e1900289	3.5	5
286	Orally ingestible medical devices for gut engineering. <i>Advanced Drug Delivery Reviews</i> , 2020 , 165-166, 142-154	18.5	22
285	Quantifying Optical Absorption of Single Plasmonic Nanoparticles and Nanoparticle Dimers Using Microstring Resonators. <i>ACS Sensors</i> , 2020 , 5, 2067-2075	9.2	1
284	Development and characterization of a PDMS-based masking method for microfabricated Oral drug delivery devices. <i>Biomedical Microdevices</i> , 2020 , 22, 35	3.7	4
283	Volumetric Raman chemical imaging of drug delivery systems. <i>Journal of Raman Spectroscopy</i> , 2020 , 51, 1153-1159	2.3	3
282	Single particles as resonators for thermomechanical analysis. <i>Nature Communications</i> , 2020 , 11, 1235	17.4	6
281	Long lasting mucoadhesive membrane based on alginate and chitosan for intravaginal drug delivery. <i>Journal of Materials Science: Materials in Medicine</i> , 2020 , 31, 25	4.5	12
280	3D Printing of Reservoir Devices for Oral Drug Delivery: From Concept to Functionality through Design Improvement for Enhanced Mucoadhesion. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 2478-2486	5.5	26
279	High-throughput label-free detection of Ochratoxin A in wine using supported liquid membrane extraction and Ag-capped silicon nanopillar SERS substrates. <i>Food Control</i> , 2020 , 113, 107183	6.2	13
278	Selective surface-enhanced Raman scattering detection of Tabun, VX and Cyclosarin nerve agents using 4-pyridine amide oxime functionalized gold nanopillars. <i>Talanta</i> , 2020 , 211, 120721	6.2	10
277	In Vitro, Ex Vivo and In Vivo Evaluation of Microcontainers for Oral Delivery of Insulin. <i>Pharmaceutics</i> , 2020 , 12,	6.4	10
276	Quantitative SERS Assay on a Single Chip Enabled by Electrochemically Assisted Regeneration: A Method for Detection of Melamine in Milk. <i>Analytical Chemistry</i> , 2020 , 92, 4317-4325	7.8	26
275	Cubic Microcontainers Improve In Situ Colonic Mucoadhesion and Absorption of Amoxicillin in Rats. <i>Pharmaceutics</i> , 2020 , 12,	6.4	9
274	Wide Line Surface-Enhanced Raman Scattering Mapping. <i>Advanced Materials Technologies</i> , 2020 , 5, 1900099	0.9	0
273	Microcontainer Delivery of Antibiotic Improves Treatment of <i>Pseudomonas aeruginosa</i> Biofilms. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901779	10.1	14

272	Micromechanical Punching: A Versatile Method for Non-Spherical Microparticle Fabrication. <i>Polymers</i> , 2020 , 13,	4.5	2
271	Controlled Drug Release from Biodegradable Polymer Matrix Loaded in Microcontainers Using Hot Punching. <i>Pharmaceutics</i> , 2020 , 12,	6.4	4
270	Polymeric carriers for enhanced delivery of probiotics. <i>Advanced Drug Delivery Reviews</i> , 2020 , 161-162, 1-21	18.5	24
269	Bacterial Cell Cultures in a Lab-on-a-Disc: A Simple and Versatile Tool for Quantification of Antibiotic Treatment Efficacy. <i>Analytical Chemistry</i> , 2020 , 92, 13871-13879	7.8	4
268	An Ingestible Self-Polymerizing System for Targeted Sampling of Gut Microbiota and Biomarkers. <i>ACS Nano</i> , 2020 , 14, 12072-12081	16.7	6
267	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
266	Microcontainers for oral insulin delivery - In vitro studies of permeation enhancement. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 143, 98-105	5.7	22
265	Ex vivo intestinal perfusion model for investigating mucoadhesion of microcontainers. <i>International Journal of Pharmaceutics</i> , 2019 , 570, 118658	6.5	12
264	Simultaneous quantification of multiple bacterial metabolites using surface-enhanced Raman scattering. <i>Analyst, The</i> , 2019 , 144, 1600-1607	5	3
263	Electrochemical pyrolytic carbon resonators for mass sensing on electrodeposited polymers. <i>Micro and Nano Engineering</i> , 2019 , 2, 64-69	3.4	4
262	Additive Manufacturing of Microreservoir Devices for Oral Drug Delivery Using an Acculas BA-30 Micro-Stereolithography Instrument: A Feasibility Study. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B3257-B3263	3.9	6
261	Thread-Like Radical-Polymerization via Autonomously Propelled (TRAP) Bots. <i>Advanced Materials</i> , 2019 , 31, e1901573	24	10
260	Imaging of dehydration in particulate matter using Raman line-focus microscopy. <i>Scientific Reports</i> , 2019 , 9, 7525	4.9	6
259	Evaluation of the solid state form of tadalafil in sub-micron thin films using nanomechanical infrared spectroscopy. <i>International Journal of Pharmaceutics</i> , 2019 , 565, 227-232	6.5	0
258	Where Is the Drug? Quantitative 3D Distribution Analyses of Confined Drug-Loaded Polymer Matrices. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 2935-2941	5.5	5
257	Thin Film Analysis by Nanomechanical Infrared Spectroscopy. <i>ACS Omega</i> , 2019 , 4, 7628-7635	3.9	4
256	Single-Crystalline Gold Nanodisks on WS ₂ Mono- and Multilayers for Strong Coupling at Room Temperature. <i>ACS Photonics</i> , 2019 , 6, 994-1001	6.3	42
255	Polymeric Lids for Microcontainers for Oral Protein Delivery. <i>Macromolecular Bioscience</i> , 2019 , 19, e1900094	3.94	14

254	Fabrication of fully suspended pyrolytic carbon string resonators for characterization of drug nano- and microparticles. <i>Sensors and Actuators A: Physical</i> , 2019 , 288, 194-203	3.9	4
253	Biodegradable microcontainers - towards real life applications of microfabricated systems for oral drug delivery. <i>Lab on A Chip</i> , 2019 , 19, 2905-2914	7.2	22
252	Sacrificial Polymer Substrates in Photopolymerization-Based Micro 3D Printing for Fabrication and Release of Complex Micro Components. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900378	6.8	6
251	Modular, Lightweight, Wireless Potentiostat-on-a-Disc for Electrochemical Detection in Centrifugal Microfluidics. <i>Analytical Chemistry</i> , 2019 , 91, 11620-11628	7.8	11
250	Fully replicable and automated retention measurement setup for characterization of bio-adhesion. <i>HardwareX</i> , 2019 , 6, e00071	2.7	9
249	Wafer-Scale Polymer-Based Transparent Nanocorals with Excellent Nanoplasmonic Photothermal Stability for High-Power and Superfast SERS Imaging. <i>Advanced Optical Materials</i> , 2019 , 7, 1901413	8.1	12
248	Investigation of Mucoadhesion and Degradation of PCL and PLGA Microcontainers for Oral Drug Delivery. <i>Polymers</i> , 2019 , 11,	4.5	16
247	Pyrolytic carbon resonators for micromechanical thermal analysis. <i>Microsystems and Nanoengineering</i> , 2019 , 5, 58	7.7	5
246	Fast and quantitative 2D and 3D orientation mapping using Raman microscopy. <i>Nature Communications</i> , 2019 , 10, 5555	17.4	27
245	Micromotors for drug delivery in vivo: The road ahead. <i>Advanced Drug Delivery Reviews</i> , 2019 , 138, 41-55	18.5	64
244	Evaluation of the effects of spray drying parameters for producing cubosome powder precursors. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 135, 44-48	5.7	5
243	Microcontainers for protection of oral vaccines, in vitro and in vivo evaluation. <i>Journal of Controlled Release</i> , 2019 , 294, 91-101	11.7	25
242	Extraction, Enrichment, and in situ Electrochemical Detection on Lab-on-a-Disc: Monitoring the Production of a Bacterial Secondary Metabolite. <i>ACS Sensors</i> , 2019 , 4, 398-405	9.2	8
241	Characterization of thin gelatin hydrogel membranes with balloon properties for dynamic tissue engineering. <i>Biopolymers</i> , 2019 , 110, e23241	2.2	9
240	Tailoring stress in pyrolytic carbon for fabrication of nanomechanical string resonators. <i>Carbon</i> , 2018 , 133, 358-368	10.4	7
239	Development of electrosprayed mucoadhesive chitosan microparticles. <i>Carbohydrate Polymers</i> , 2018 , 190, 240-247	10.3	51
238	Injection molded lab-on-a-disc platform for screening of genetically modified E. coli using liquid-liquid extraction and surface enhanced Raman scattering. <i>Lab on A Chip</i> , 2018 , 18, 869-877	7.2	25
237	Using microcantilever sensors to measure poly(lactic-co-glycolic acid) plasticization by moisture uptake. <i>Polymer Testing</i> , 2018 , 65, 407-413	4.5	5

236	Temperature Modulated Nanomechanical Thermal Analysis. <i>IEEE Sensors Journal</i> , 2018 , 18, 4001-4007	4	3
235	Laser ablation and injection moulding as techniques for producing micro channels compatible with Small Angle X-Ray Scattering. <i>Microelectronic Engineering</i> , 2018 , 195, 7-12	2.5	3
234	Efficiency enhancement of InGaN amber MQWs using nanopillar structures. <i>Nanophotonics</i> , 2018 , 7, 3176-3228	3.2	8
233	InGaN/GaN ultraviolet LED with a graphene/AZO transparent current spreading layer. <i>Optical Materials Express</i> , 2018 , 8, 1818	2.6	2
232	Hacking CD/DVD/Blu-ray for Biosensing. <i>ACS Sensors</i> , 2018 , 3, 1222-1232	9.2	34
231	Detecting forensic substances using commercially available SERS substrates and handheld Raman spectrometers. <i>Talanta</i> , 2018 , 189, 649-652	6.2	32
230	Combined detection of C-reactive protein and PBMC quantification from whole blood in an integrated lab-on-a-disc microfluidic platform. <i>Sensors and Actuators B: Chemical</i> , 2018 , 272, 634-642	8.5	9
229	Spray dried cubosomes with ovalbumin and Quil-A as a nanoparticulate dry powder vaccine formulation. <i>International Journal of Pharmaceutics</i> , 2018 , 550, 35-44	6.5	20
228	Gold Nanoparticles Sliding on Recyclable NanohoodoosEngineered for Surface-Enhanced Raman Spectroscopy. <i>Advanced Functional Materials</i> , 2018 , 28, 1704818	15.6	44
227	Cellular Effects and Delivery Propensity of Penetratin Is Influenced by Conjugation to Parathyroid Hormone Fragment 1-34 in Synergy with pH. <i>Bioconjugate Chemistry</i> , 2018 , 29, 371-381	6.3	3
226	Ultrasensitive Microstring Resonators for Solid State Thermomechanical Analysis of Small and Large Molecules. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17522-17531	16.4	5
225	Nanopillar-Assisted SERS Chromatography. <i>ACS Sensors</i> , 2018 , 3, 2492-2498	9.2	18
224	Injection-Molded Microfluidic Device for SERS Sensing Using Embedded Au-Capped Polymer Nanocones. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37417-37425	9.5	25
223	Preparation and Characterization of an Oral Vaccine Formulation Using Electrospayed Chitosan Microparticles. <i>AAPS PharmSciTech</i> , 2018 , 19, 3770-3777	3.9	5
222	Combined Used of Rheology and LF-NMR for the Characterization of PVP-Alginates Gels Containing Liposomes. <i>Pharmaceutical Research</i> , 2018 , 35, 171	4.5	9
221	Microfabricated devices for oral drug delivery. <i>Lab on A Chip</i> , 2018 , 18, 2348-2358	7.2	44
220	Powder embossing method for selective loading of polymeric microcontainers with drug formulation. <i>Microelectronic Engineering</i> , 2017 , 171, 20-24	2.5	21
219	Hand-Held Femtogram Detection of Hazardous Picric Acid with Hydrophobic Ag Nanopillar SERS Substrates and Mechanism of Elasto-Capillarity. <i>ACS Sensors</i> , 2017 , 2, 198-202	9.2	67

218	Position and mode dependent optical detection back-action in cantilever beam resonators. <i>Journal of Micromechanics and Microengineering</i> , 2017 , 27, 035006	2	2
217	Detection of surface-linked polychlorinated biphenyls using surface-enhanced Raman scattering spectroscopy. <i>Vibrational Spectroscopy</i> , 2017 , 90, 1-6	2.1	10
216	Surface Enhanced Raman Scattering for Quantification of p-Coumaric Acid Produced by Escherichia coli. <i>Analytical Chemistry</i> , 2017 , 89, 3981-3987	7.8	20
215	Nanomechanical Infrared Spectroscopy with Vibrating Filters for Pharmaceutical Analysis. <i>Angewandte Chemie</i> , 2017 , 129, 3959-3963	3.6	
214	Nanomechanical Infrared Spectroscopy with Vibrating Filters for Pharmaceutical Analysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3901-3905	16.4	13
213	SERS detection of the biomarker hydrogen cyanide from Pseudomonas aeruginosa cultures isolated from cystic fibrosis patients. <i>Scientific Reports</i> , 2017 , 7, 45264	4.9	21
212	Microcontainers as an oral delivery system for spray dried cubosomes containing ovalbumin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 118, 13-20	5.7	29
211	Loading of Drug-Polymer Matrices in Microreservoirs for Oral Drug Delivery. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1600366	3.9	7
210	Nanopillar Filters for Surface-Enhanced Raman Spectroscopy. <i>ACS Sensors</i> , 2017 , 2, 1400-1404	9.2	22
209	Optimizing silver-capped silicon nanopillars to simultaneously realize macroscopic, practical-level SERS signal reproducibility and high enhancement at low costs. <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 1808-1818	2.3	15
208	SERS spectroscopy for detection of hydrogen cyanide in breath from children colonised with P. aeruginosa. <i>Analytical Methods</i> , 2017 , 9, 5757-5762	3.2	3
207	Quantitative Detection of Trace Level Cloxacillin in Food Samples Using Magnetic Molecularly Imprinted Polymer Extraction and Surface-Enhanced Raman Spectroscopy Nanopillars. <i>Analytical Chemistry</i> , 2017 , 89, 11484-11490	7.8	56
206	Quantification of a bacterial secondary metabolite by SERS combined with SLM extraction for bioprocess monitoring. <i>Analyst, The</i> , 2017 , 142, 4553-4559	5	14
205	From concept to in vivo testing: Microcontainers for oral drug delivery. <i>Journal of Controlled Release</i> , 2017 , 268, 343-351	11.7	48
204	Fabrication and characterization of Au dimer antennas on glass pillars with enhanced plasmonic response. <i>Nanophotonics</i> , 2017 , 7, 497-505	6.3	10
203	New Evidence for the Mechanism of Action of a Type-2 Diabetes Drug Using a Magnetic Bead-Based Automated Biosensing Platform. <i>ACS Sensors</i> , 2017 , 2, 1329-1336	9.2	7
202	Large-Scale, Lithography-Free Production of Transparent Nanostructured Surface for Dual-Functional Electrochemical and SERS Sensing. <i>ACS Sensors</i> , 2017 , 2, 1869-1875	9.2	20
201	A pseudo-Voigt component model for high-resolution recovery of constituent spectra in Raman spectroscopy 2017 ,		1

200	Lab-on-a-disc platform for screening of genetically modified E. coli cells via cell-free electrochemical detection of p-Coumaric acid. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 999-1005	8.5	25
199	Blu-Ray-based micromechanical characterization platform for biopolymer degradation assessment. <i>Sensors and Actuators B: Chemical</i> , 2017 , 241, 1303-1309	8.5	10
198	Chemical Engineering in the "BIO" World. <i>Current Drug Delivery</i> , 2017 , 14, 158-178	3.2	2
197	Supercritical impregnation of polymer matrices spatially confined in microcontainers for oral drug delivery: Effect of temperature, pressure and time. <i>Journal of Supercritical Fluids</i> , 2016 , 107, 145-152	4.2	23
196	Detection methods for centrifugal microfluidic platforms. <i>Biosensors and Bioelectronics</i> , 2016 , 76, 54-67	11.8	46
195	Nonlinear optomechanical measurement of mechanical motion. <i>Nature Communications</i> , 2016 , 7, 10988	17.4	70
194	Wafer-Scale Nanopillars Derived from Block Copolymer Lithography for Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15668-75	9.5	31
193	Nanomechanical IR spectroscopy for fast analysis of liquid-dispersed engineered nanomaterials. <i>Sensors and Actuators B: Chemical</i> , 2016 , 233, 667-673	8.5	16
192	Detection of nerve gases using surface-enhanced Raman scattering substrates with high droplet adhesion. <i>Nanoscale</i> , 2016 , 8, 1305-8	7.7	82
191	Experimentation and numerical modeling of cyclic voltammetry for electrochemical micro-sized sensors under the influence of electrolyte flow. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 763, 141-148	4.1	9
190	Black silicon laser-doped selective emitter solar cell with 18.1% efficiency. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 144, 740-747	6.4	45
189	Blu-ray based optomagnetic aptasensor for detection of small molecules. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 396-403	11.8	25
188	Nanomechanical Pyrolytic Carbon Resonators: Novel Fabrication Method and Characterization of Mechanical Properties. <i>Sensors</i> , 2016 , 16,	3.8	8
187	Polymeric microcontainers improve oral bioavailability of furosemide. <i>International Journal of Pharmaceutics</i> , 2016 , 504, 98-109	6.5	51
186	Synthesis and characterization of UV photocrosslinkable hydrogels with poly(N-vinyl-2-pyrrolidone): Determination of the network mesh size distribution. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016 , 65, 516-525	3	11
185	Lab-on-a-disc agglutination assay for protein detection by optomagnetic readout and optical imaging using nano- and micro-sized magnetic beads. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 351-357	11.8	34
184	Lithography-Free Fabrication of Silica Nanocylinders with Suspended Gold Nanorings for LSPR-Based Sensing. <i>Small</i> , 2016 , 12, 6745-6752	11	21
183	Surface-enhanced Raman spectroscopic study of DNA and 6-mercapto-1-hexanol interactions using large area mapping. <i>Vibrational Spectroscopy</i> , 2016 , 86, 331-336	2.1	2

182	Hydrodynamics studies of cyclic voltammetry for electrochemical micro biosensors. <i>Journal of Physics: Conference Series</i> , 2015 , 574, 012008	0.3	2
181	Microcantilever sensors for fast analysis of enzymatic degradation of poly (d, l-lactide). <i>Polymer Degradation and Stability</i> , 2015 , 119, 1-8	4.7	4
180	Towards quantitative SERS detection of hydrogen cyanide at ppb level for human breath analysis. <i>Sensing and Bio-Sensing Research</i> , 2015 , 5, 84-89	3.3	28
179	Scalable DNA-Based Magnetic Nanoparticle Agglutination Assay for Bacterial Detection in Patient Samples. <i>ACS Nano</i> , 2015 , 9, 7374-82	16.7	55
178	Angle resolved characterization of nanostructured and conventionally textured silicon solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 140, 134-140	6.4	12
177	Hot embossing and mechanical punching of biodegradable microcontainers for oral drug delivery. <i>Microelectronic Engineering</i> , 2015 , 133, 104-109	2.5	15
176	Fabrication of Ni stamp with high aspect ratio, two-leveled, cylindrical microstructures using dry etching and electroplating. <i>Journal of Micromechanics and Microengineering</i> , 2015 , 25, 055021	2	9
175	Hot punching of high-aspect-ratio 3D polymeric microstructures for drug delivery. <i>Lab on A Chip</i> , 2015 , 15, 2576-9	7.2	16
174	Mathematical Model for Biomolecular Quantification Using Large-Area Surface-Enhanced Raman Spectroscopy Mapping. <i>RSC Advances</i> , 2015 , 5, 85845-85853	3.7	6
173	Plasmon resonances of Ag capped Si nanopillars fabricated using mask-less lithography. <i>Optics Express</i> , 2015 , 23, 12965-78	3.3	45
172	The copper binding properties of metformin--QCM-D, XPS and nanobead agglomeration. <i>Chemical Communications</i> , 2015 , 51, 17313-6	5.8	18
171	Quantification of rolling circle amplified DNA using magnetic nanobeads and a Blu-ray optical pick-up unit. <i>Biosensors and Bioelectronics</i> , 2015 , 67, 649-55	11.8	45
170	Adsorption and Vibrational Study of Folic Acid on Gold Nanopillar Structures Using Surface-Enhanced Raman Scattering Spectroscopy. <i>Nanomaterials and Nanotechnology</i> , 2015 , 5, 29	2.9	27
169	Quantification of NS1 dengue biomarker in serum via optomagnetic nanocluster detection. <i>Scientific Reports</i> , 2015 , 5, 16145	4.9	48
168	Silver-capped silicon nanopillar platforms for adsorption studies of folic acid using surface enhanced Raman spectroscopy and density functional theory. <i>Journal of Raman Spectroscopy</i> , 2015 , 46, 1087-1094	2.3	17
167	Micromechanical fast quasi-static detection of β and γ relaxations with nanograms of polymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 1035-1039	2.6	6
166	pH-triggered drug release from biodegradable microwells for oral drug delivery. <i>Biomedical Microdevices</i> , 2015 , 17, 9958	3.7	28
165	Wafer-Scale Leaning Silver Nanopillars for Molecular Detection at Ultra-Low Concentrations. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2053-2062	3.8	62

164	Integrating electrochemical detection with centrifugal microfluidics for real-time and fully automated sample testing. <i>RSC Advances</i> , 2015 , 5, 17187-17193	3.7	15
163	A slow cooling rate of indomethacin melt spatially confined in microcontainers increases the physical stability of the amorphous drug without influencing its biorelevant dissolution behaviour. <i>Drug Delivery and Translational Research</i> , 2014 , 4, 268-74	6.2	11
162	Single-layer graphene on silicon nitride micromembrane resonators. <i>Journal of Applied Physics</i> , 2014 , 115, 054513	2.5	25
161	Nanomechanical identification of liquid reagents in a microfluidic channel. <i>Lab on A Chip</i> , 2014 , 14, 1302-7.2	7.2	20
160	Micromechanical String Resonators: Analytical Tool for Thermal Characterization of Polymers. <i>ACS Macro Letters</i> , 2014 , 3, 55-58	6.6	16
159	Synthesis and characterization of covalent diphenylalanine nanotube-folic acid conjugates. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	10
158	Low-power photothermal probing of single plasmonic nanostructures with nanomechanical string resonators. <i>Nano Letters</i> , 2014 , 14, 2318-21	11.5	32
157	Polymer-filled microcontainers for oral delivery loaded using supercritical impregnation. <i>Journal of Controlled Release</i> , 2014 , 173, 1-9	11.7	54
156	In-situ monitoring of potential enhanced DNA related processes using electrochemical quartz crystal microbalance with dissipation (EQCM-D). <i>Electrochemistry Communications</i> , 2014 , 48, 111-114	5.1	11
155	Photothermal analysis of individual nanoparticulate samples using micromechanical resonators. <i>ACS Nano</i> , 2013 , 7, 6188-93	16.7	48
154	Ferromagnetic shadow mask for spray coating of polymer patterns. <i>Microelectronic Engineering</i> , 2013 , 110, 427-431	2.5	10
153	Online measurement of mass density and viscosity of pL fluid samples with suspended microchannel resonator. <i>Sensors and Actuators B: Chemical</i> , 2013 , 185, 456-461	8.5	65
152	Photothermal infrared spectroscopy of airborne samples with mechanical string resonators. <i>Analytical Chemistry</i> , 2013 , 85, 10531-5	7.8	26
151	Sensitive determination of the Young's modulus of thin films by polymeric microcantilevers. <i>Measurement Science and Technology</i> , 2013 , 24, 125603	2	12
150	Enhanced light-matter interactions in graphene-covered gold nanovoid arrays. <i>Nano Letters</i> , 2013 , 13, 4690-6	11.5	175
149	High-performance spinning device for DVD-based micromechanical signal transduction. <i>Journal of Micromechanics and Microengineering</i> , 2013 , 23, 045016	2	3
148	Inkjet printing as a technique for filling of micro-wells with biocompatible polymers. <i>Microelectronic Engineering</i> , 2013 , 111, 391-395	2.5	24
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