

Yuan Jin Zhao

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2032282/yuan-jin-zhao-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

364
papers

14,695
citations

64
h-index

105
g-index

391
ext. papers

18,858
ext. citations

11.4
avg, IF

7.36
L-index

#	Paper	IF	Citations
364	Emerging Droplet Microfluidics. <i>Chemical Reviews</i> , 2017 , 117, 7964-8040	68.1	746
363	Bio-inspired variable structural color materials. <i>Chemical Society Reviews</i> , 2012 , 41, 3297-317	58.5	600
362	Bioinspired living structural color hydrogels. <i>Science Robotics</i> , 2018 , 3,	18.6	304
361	Spherical colloidal photonic crystals. <i>Accounts of Chemical Research</i> , 2014 , 47, 3632-42	24.3	254
360	Bio-inspired vapor-responsive colloidal photonic crystal patterns by inkjet printing. <i>ACS Nano</i> , 2014 , 8, 11094-100	16.7	231
359	Multicompartment polymersomes from double emulsions. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1648-51	16.4	218
358	Microfluidic generation of multifunctional quantum dot barcode particles. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8790-3	16.4	214
357	Photonic Crystals in Bioassays. <i>Advanced Functional Materials</i> , 2010 , 20, 2970-2988	15.6	210
356	Biomimetic enzyme cascade reaction system in microfluidic electro spray microcapsules. <i>Science Advances</i> , 2018 , 4, eaat2816	14.3	203
355	Bio-inspired self-healing structural color hydrogel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5900-5905	11.5	198
354	Bioinspired multicompartmental microfibers from microfluidics. <i>Advanced Materials</i> , 2014 , 26, 5184-90	24	188
353	Encoded porous beads for label-free multiplex detection of tumor markers. <i>Advanced Materials</i> , 2009 , 21, 569-72	24	186
352	Encoded silica colloidal crystal beads as supports for potential multiplex immunoassay. <i>Analytical Chemistry</i> , 2008 , 80, 1598-605	7.8	183
351	Organ-on-a-Chip Systems: Microengineering to Biomimic Living Systems. <i>Small</i> , 2016 , 12, 2253-82	11	176
350	Bioinspired Helical Microfibers from Microfluidics. <i>Advanced Materials</i> , 2017 , 29, 1605765	24	174
349	Programmable wettability on photocontrolled graphene film. <i>Science Advances</i> , 2018 , 4, eaat7392	14.3	172
348	Multiplex label-free detection of biomolecules with an imprinted suspension array. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7350-2	16.4	170

347	Bioinspired shape-memory graphene film with tunable wettability. <i>Science Advances</i> , 2017 , 3, e1700004	14.3	163
346	Microfluidic synthesis of barcode particles for multiplex assays. <i>Small</i> , 2015 , 11, 151-74	11	159
345	Quantum-Dot-Tagged Bioresponsive Hydrogel Suspension Array for Multiplex Label-Free DNA Detection. <i>Advanced Functional Materials</i> , 2010 , 20, 976-982	15.6	157
344	Bioinspired Multifunctional Hybrid Hydrogel Promotes Wound Healing. <i>Advanced Functional Materials</i> , 2018 , 28, 1801386	15.6	151
343	Aptamer-functionalized barcode particles for the capture and detection of multiple types of circulating tumor cells. <i>Advanced Materials</i> , 2014 , 26, 7333-8	24	147
342	Biodegradable core-shell carriers for simultaneous encapsulation of synergistic actives. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7933-7	16.4	142
341	Colorimetric photonic hydrogel aptasensor for the screening of heavy metal ions. <i>Nanoscale</i> , 2012 , 4, 5998-6003	7.7	132
340	Bioinspired multifunctional Janus particles for droplet manipulation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 54-7	16.4	128
339	Bio-inspired intelligent structural color materials. <i>Materials Horizons</i> , 2019 , 6, 945-958	14.4	123
338	Antibacterial and angiogenic chitosan microneedle array patch for promoting wound healing. <i>Bioactive Materials</i> , 2020 , 5, 253-259	16.7	119
337	Photonic crystal microcapsules for label-free multiplex detection. <i>Advanced Materials</i> , 2014 , 26, 3270-4	24	117
336	The regulation of the Treg/Th17 balance by mesenchymal stem cells in human systemic lupus erythematosus. <i>Cellular and Molecular Immunology</i> , 2017 , 14, 423-431	15.4	109
335	Multifunctional photonic crystal barcodes from microfluidics. <i>NPG Asia Materials</i> , 2012 , 4, e25-e25	10.3	104
334	Design of capillary microfluidics for spinning cell-laden microfibers. <i>Nature Protocols</i> , 2018 , 13, 2557-2578	18.8	104
333	An optical nose chip based on mesoporous colloidal photonic crystal beads. <i>Advanced Materials</i> , 2014 , 26, 2413-8	24	103
332	Controlled Fabrication of Bioactive Microfibers for Creating Tissue Constructs Using Microfluidic Techniques. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1080-6	9.5	100
331	A multifunctional wearable sensor based on a graphene/inverse opal cellulose film for simultaneous, in situ monitoring of human motion and sweat. <i>Nanoscale</i> , 2018 , 10, 2090-2098	7.7	98
330	Tunable Structural Color Surfaces with Visually Self-Reporting Wettability. <i>Advanced Functional Materials</i> , 2016 , 26, 7937-7942	15.6	98

329	Black Phosphorus-Loaded Separable Microneedles as Responsive Oxygen Delivery Carriers for Wound Healing. <i>ACS Nano</i> , 2020 , 14, 5901-5908	16.7	98
328	Photonic Crystal Microbubbles as Suspension Barcodes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15533-9	16.4	95
327	Cardiomyocytes-Actuated Morpho Butterfly Wings. <i>Advanced Materials</i> , 2019 , 31, e1805431	24	95
326	Bioinspired Heterogeneous Structural Color Stripes from Capillaries. <i>Advanced Materials</i> , 2017 , 29, 1704569	14.9	94
325	Integrated analysis of long non-coding RNA competing interactions reveals the potential role in progression of human gastric cancer. <i>International Journal of Oncology</i> , 2016 , 48, 1965-76	4.4	93
324	Integrated analysis of long non-coding RNA-associated ceRNA network reveals potential lncRNA biomarkers in human lung adenocarcinoma. <i>International Journal of Oncology</i> , 2016 , 49, 2023-2036	4.4	92
323	Encoded Microneedle Arrays for Detection of Skin Interstitial Fluid Biomarkers. <i>Advanced Materials</i> , 2019 , 31, e1902825	24	92
322	Responsive Inverse Opal Scaffolds with Biomimetic Enrichment Capability for Cell Culture. <i>Research</i> , 2019 , 2019, 9783793	7.8	92
321	Bioinspired conductive cellulose liquid-crystal hydrogels as multifunctional electrical skins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 18310-18316	11.5	90
320	Tailoring colloidal photonic crystals with wide viewing angles. <i>Small</i> , 2013 , 9, 2266-71	11	89
319	Multifunctional Chitosan Inverse Opal Particles for Wound Healing. <i>ACS Nano</i> , 2018 , 12, 10493-10500	16.7	89
318	Microfluidic Lithography of Bioinspired Helical Micromotors. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12127-12131	16.4	88
317	Cells Cultured on Core-Shell Photonic Crystal Barcodes for Drug Screening. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13840-8	9.5	88
316	Spinning and Applications of Bioinspired Fiber Systems. <i>ACS Nano</i> , 2019 , 13, 2749-2772	16.7	88
315	Three-dimensional splitting microfluidics. <i>Lab on A Chip</i> , 2016 , 16, 1332-9	7.2	87
314	Bioinspired structural color patch with anisotropic surface adhesion. <i>Science Advances</i> , 2020 , 6, eaax8258	14.3	85
313	Bioinspired Superwettability Micro/Nanoarchitectures: Fabrications and Applications. <i>Advanced Functional Materials</i> , 2019 , 29, 1808012	15.6	80
312	Microfluidic Electro spray Niacin Metal-Organic Frameworks Encapsulated Microcapsules for Wound Healing. <i>Research</i> , 2019 , 2019, 6175398	7.8	80

311	Microfluidic generation of magneto-responsive Janus photonic crystal particles. <i>Nanoscale</i> , 2013 , 5, 9553-7	7.7	78
310	Bio-Inspired Stretchable, Adhesive, and Conductive Structural Color Film for Visually Flexible Electronics. <i>Advanced Functional Materials</i> , 2020 , 30, 2000151	15.6	77
309	Bioinspired Multifunctional Spindle-Knotted Microfibers from Microfluidics. <i>Small</i> , 2017 , 13, 1600286	11	76
308	Anisotropic structural color particles from colloidal phase separation. <i>Science Advances</i> , 2020 , 6, eaay1438	14.3	75
307	Bioinspired angle-independent photonic crystal colorimetric sensing. <i>Chemical Communications</i> , 2013 , 49, 5331-3	5.8	74
306	Multifunctional inverse opal particles for drug delivery and monitoring. <i>Nanoscale</i> , 2015 , 7, 10590-4	7.7	73
305	Construction of Infrared-Light-Responsive Photoinduced Carriers Driver for Enhanced Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2020 , 32, e1906361	24	73
304	Vitamin metal-organic framework-laden microfibers from microfluidics for wound healing. <i>Materials Horizons</i> , 2018 , 5, 1137-1142	14.4	71
303	Multibioinspired slippery surfaces with wettable bump arrays for droplets pumping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 20863-20868	11.5	70
302	Reactions in double emulsions by flow-controlled coalescence of encapsulated drops. <i>Lab on A Chip</i> , 2011 , 11, 2312-5	7.2	68
301	Cardiomyocyte-Driven Structural Color Actuation in Anisotropic Inverse Opals. <i>ACS Nano</i> , 2019 , 13, 796-807	8.7	66
300	Bio-inspired clamping microneedle arrays from flexible ferrofluid-configured moldings. <i>Science Bulletin</i> , 2019 , 64, 1110-1117	10.6	64
299	In situ synthesis of gold nanoparticles (AuNPs) in butterfly wings for surface enhanced Raman spectroscopy (SERS). <i>Journal of Materials Chemistry B</i> , 2013 , 1, 1607-1613	7.3	64
298	Multifunctional Wearable Sensing Devices Based on Functionalized Graphene Films for Simultaneous Monitoring of Physiological Signals and Volatile Organic Compound Biomarkers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11785-11793	9.5	62
297	All-Aqueous-Phase Microfluidics for Cell Encapsulation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4826-4832	9.5	62
296	Multiplex detection of tumor markers with photonic suspension array. <i>Analytica Chimica Acta</i> , 2009 , 633, 103-8	6.6	61
295	Photonic crystal hydrogel beads used for multiplex biomolecular detection. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5730		61
294	Aptamer-based hydrogel barcodes for the capture and detection of multiple types of pathogenic bacteria. <i>Biosensors and Bioelectronics</i> , 2018 , 100, 404-410	11.8	60

293	Bio-Inspired Anisotropic Wettability Surfaces from Dynamic Ferrofluid Assembled Templates. <i>Advanced Functional Materials</i> , 2018 , 28, 1705802	15.6	59
292	Flexible Ferrofluids: Design and Applications. <i>Advanced Materials</i> , 2019 , 31, e1903497	24	57
291	Microfluidic Generation of Porous Particles Encapsulating Spongy Graphene for Oil Absorption. <i>Small</i> , 2015 , 11, 3890-5	11	57
290	Composite core-shell microparticles from microfluidics for synergistic drug delivery. <i>Science China Materials</i> , 2017 , 60, 543-553	7.1	56
289	Microfluidic generation of egg-derived protein microcarriers for 3D cell culture and drug delivery. <i>Science Bulletin</i> , 2017 , 62, 1283-1290	10.6	56
288	Microfluidic Generation of Porous Microcarriers for Three-Dimensional Cell Culture. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27035-9	9.5	53
287	Bioinspired programmable wettability arrays for droplets manipulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4527-4532	11.5	52
286	Photonic crystal encoded microcarriers for biomaterial evaluation. <i>Small</i> , 2014 , 10, 88-93	11	52
285	Fabrication of colloidal crystal beads by a drop-breaking technique and their application as bioassays. <i>Small</i> , 2008 , 4, 592-6	11	52
284	Bioinspired Adhesive and Antibacterial Microneedles for Versatile Transdermal Drug Delivery. <i>Research</i> , 2020 , 2020, 3672120	7.8	52
283	Enzymatic Inverse Opal Hydrogel Particles for Biocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12914-12918	9.5	49
282	Double emulsions from a capillary array injection microfluidic device. <i>Lab on A Chip</i> , 2014 , 14, 3489-93	7.2	49
281	Dysregulated lncRNA-UCA1 contributes to the progression of gastric cancer through regulation of the PI3K-Akt-mTOR signaling pathway. <i>Oncotarget</i> , 2017 , 8, 93476-93491	3.3	49
280	Bioinspired Bilayer Structural Color Hydrogel Actuator with Multienvironment Responsiveness and Survivability. <i>Small Methods</i> , 2019 , 3, 1900519	12.8	48
279	A Long-Term Follow-Up Study of Allogeneic Mesenchymal Stem/Stromal Cell Transplantation in Patients with Drug-Resistant Systemic Lupus Erythematosus. <i>Stem Cell Reports</i> , 2018 , 10, 933-941	8	47
278	Microfluidic Generation of Microsprings with Ionic Liquid Encapsulation for Flexible Electronics. <i>Research</i> , 2019 , 2019, 6906275	7.8	47
277	Hybrid hydrogel photonic barcodes for multiplex detection of tumor markers. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 264-270	11.8	46
276	Biohybrid robotics with living cell actuation. <i>Chemical Society Reviews</i> , 2020 , 49, 4043-4069	58.5	45

275	Responsive graphene oxide hydrogel microcarriers for controllable cell capture and release. <i>Science China Materials</i> , 2018 , 61, 1314-1324	7.1	45
274	Porous Hydrogel Encapsulated Photonic Barcodes for Multiplex MicroRNA Quantification. <i>Advanced Functional Materials</i> , 2018 , 28, 1704458	15.6	45
273	Role of local geometry on droplet formation in axisymmetric microfluidics. <i>Chemical Engineering Science</i> , 2017 , 163, 56-67	4.4	44
272	Wound Healing: Bioinspired Multifunctional Hybrid Hydrogel Promotes Wound Healing (Adv. Funct. Mater. 33/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870233	15.6	44
271	Construction of Self-Healing Internal Electric Field for Sustainably Enhanced Photocatalysis. <i>Advanced Functional Materials</i> , 2019 , 29, 1807934	15.6	44
270	Free-Standing Photonic Crystal Films with Gradient Structural Colors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6796-801	9.5	43
269	Super-Elastic Magnetic Structural Color Hydrogels. <i>Small</i> , 2019 , 15, e1902198	11	43
268	Bio-inspired stimuli-responsive graphene oxide fibers from microfluidics. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15026-15030	13	43
267	Colloidal crystal beads coated with multicolor CdTe quantum dots: microcarriers for optical encoding and fluorescence enhancement. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6492		43
266	Microfluidic Generation of Nanomaterials for Biomedical Applications. <i>Small</i> , 2020 , 16, e1901943	11	43
265	Differential expression profiles of microRNAs as potential biomarkers for the early diagnosis of lung cancer. <i>Oncology Reports</i> , 2017 , 37, 3543-3553	3.5	42
264	NK-Cell-Encapsulated Porous Microspheres via Microfluidic Electrospray for Tumor Immunotherapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33716-33724	9.5	42
263	Enhancing and suppressing effects of an inner droplet on deformation of a double emulsion droplet under shear. <i>Lab on A Chip</i> , 2015 , 15, 1255-61	7.2	42
262	Liquid metal-integrated ultra-elastic conductive microfibers from microfluidics for wearable electronics. <i>Science Bulletin</i> , 2020 , 65, 1752-1759	10.6	42
261	Boronate affinity molecularly imprinted inverse opal particles for multiple label-free bioassays. <i>Chemical Communications</i> , 2016 , 52, 3296-9	5.8	41
260	Microfluidic generation of Buddha beads-like microcarriers for cell culture. <i>Science China Materials</i> , 2017 , 60, 857-865	7.1	41
259	Deformation dynamics of double emulsion droplet under shear. <i>Applied Physics Letters</i> , 2015 , 106, 141601	9.14	40
258	Graphene Hybrid Anisotropic Structural Color Film for Cardiomyocytes Monitoring. <i>Advanced Functional Materials</i> , 2020 , 30, 1906353	15.6	38

257	Conductive Polymer Hydrogel Microfibers from Multiflow Microfluidics. <i>Small</i> , 2019 , 15, e1805162	11	37
256	Isolation and analysis of extracellular vesicles in a Morpho butterfly wing-integrated microvortex biochip. <i>Biosensors and Bioelectronics</i> , 2020 , 154, 112073	11.8	37
255	Hybrid mesoporous colloid photonic crystal array for high performance vapor sensing. <i>Nanoscale</i> , 2014 , 6, 5680-5	7.7	37
254	Tofu-inspired microcarriers from droplet microfluidics for drug delivery. <i>Science China Chemistry</i> , 2019 , 62, 87-94	7.9	37
253	Preparation of conducting polymer inverse opals and its application as ammonia sensor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 433, 59-63	5.1	36
252	Enhanced encapsulation of actives in self-sealing microcapsules by precipitation in capsule shells. <i>Langmuir</i> , 2011 , 27, 13988-91	4	36
251	Bioinspired Photonic Barcodes with Graphene Oxide Encapsulation for Multiplexed MicroRNA Quantification. <i>Small</i> , 2018 , 14, e1803551	11	35
250	Emerging barcode particles for multiplex bioassays. <i>Science China Materials</i> , 2019 , 62, 289-324	7.1	34
249	Molybdenum disulfide-integrated photonic barcodes for tumor markers screening. <i>Biosensors and Bioelectronics</i> , 2019 , 133, 199-204	11.8	34
248	Self-assembled coffee-ring colloidal crystals for structurally colored contact lenses. <i>Small</i> , 2015 , 11, 926-30	11.8	34
247	Responsive Porous Microcarriers With Controllable Oxygen Delivery for Wound Healing. <i>Small</i> , 2019 , 15, e1901254	11	33
246	A photonic crystal hydrogel suspension array for the capture of blood cells from whole blood. <i>Nanoscale</i> , 2016 , 8, 3841-7	7.7	33
245	Bio-Inspired Self-Adhesive Bright Non-iridescent Graphene Pigments. <i>Matter</i> , 2019 , 1, 1581-1591	12.7	32
244	Microfluidic Printing of Slippery Textiles for Medical Drainage around Wounds. <i>Advanced Science</i> , 2020 , 7, 2000789	13.6	32
243	Structural color materials in evolution. <i>Materials Today</i> , 2016 , 19, 420-421	21.8	32
242	Bioinspired Soft Robotic Caterpillar with Cardiomyocyte Drivers. <i>Advanced Functional Materials</i> , 2020 , 30, 1907820	15.6	32
241	Bio-inspired angle-independent structural color films with anisotropic colloidal crystal array domains. <i>Nano Research</i> , 2019 , 12, 1579-1584	10	31
240	Multiplexed Detection Strategy for Bladder Cancer MicroRNAs Based on Photonic Crystal Barcodes. <i>Analytical Chemistry</i> , 2020 , 92, 6121-6127	7.8	31

239	Biomimetic intestinal barrier based on microfluidic encapsulated sucralfate microcapsules. <i>Science Bulletin</i> , 2019 , 64, 1418-1425	10.6	31
238	Hybrid inverse opals for regulating cell adhesion and orientation. <i>Nanoscale</i> , 2014 , 6, 10650-6	7.7	31
237	Non-iridescent structural color pigments from liquid marbles. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6607-6612	7.1	31
236	Photoresponsive Delivery Microcarriers for Tissue Defects Repair. <i>Advanced Science</i> , 2019 , 6, 1901280	13.6	30
235	Multicolored photonic barcodes from dynamic micromolding. <i>Materials Horizons</i> , 2018 , 5, 979-983	14.4	30
234	Folic Acid-Functionalized Hybrid Photonic Barcodes for Capture and Release of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21206-21212	9.5	30
233	Centrifugal microfluidics for ultra-rapid fabrication of versatile hydrogel microcarriers. <i>Applied Materials Today</i> , 2018 , 13, 116-125	6.6	29
232	Cell orientation gradients on an inverse opal substrate. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10091-5	9.5	28
231	Anisotropic colloidal crystal particles from microfluidics. <i>Journal of Colloid and Interface Science</i> , 2014 , 421, 64-70	9.3	28
230	Rapid and sensitive biomolecular screening with encoded macroporous hydrogel photonic beads. <i>Langmuir</i> , 2010 , 26, 6111-4	4	28
229	Porous scaffolds from droplet microfluidics for prevention of intrauterine adhesion. <i>Acta Biomaterialia</i> , 2019 , 84, 222-230	10.8	28
228	Hierarchically porous composite microparticles from microfluidics for controllable drug delivery. <i>Nanoscale</i> , 2018 , 10, 12595-12604	7.7	27
227	Responsive Colloidal Crystal for Spectrometer Grating. <i>ACS Photonics</i> , 2014 , 1, 121-126	6.3	27
226	Microfluidic Lithography of Bioinspired Helical Micromotors. <i>Angewandte Chemie</i> , 2017 , 129, 12295-12296	9.6	27
225	Immunotherapeutic silk inverse opal particles for post-surgical tumor treatment. <i>Science Bulletin</i> , 2020 , 65, 380-388	10.6	27
224	Composite Multifunctional Micromotors from Droplet Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34618-34624	9.5	27
223	Antibacterial Structural Color Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38901-38907	9.5	26
222	Droplet generation hydrodynamics in the microfluidic cross-junction with different junction angles. <i>Chemical Engineering Science</i> , 2019 , 203, 259-284	4.4	26

221	Bioinspired Helical Micromotors as Dynamic Cell Microcarriers. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16097-16103	9.5	26
220	Dual signal glucose reporter based on inverse opal conducting hydrogel films. <i>Soft Matter</i> , 2012 , 8, 4911-3.6	26	
219	Bioinspired MXene-integrated colloidal crystal arrays for multichannel bioinformation coding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 22736-22742	11.5	26
218	Microfluidics for flexible electronics. <i>Materials Today</i> , 2021 , 44, 105-135	21.8	26
217	Pollen-inspired microparticles with strong adhesion for drug delivery. <i>Applied Materials Today</i> , 2018 , 13, 303-309	6.6	26
216	Stretchable and Conductive Composite Structural Color Hydrogel Films as Bionic Electronic Skins. <i>Advanced Science</i> , 2021 , 8, e2102156	13.6	26
215	Hollow Colloid Assembled Photonic Crystal Clusters as Suspension Barcodes for Multiplex Bioassays. <i>Small</i> , 2019 , 15, e1900056	11	25
214	Photocontrolled Healable Structural Color Hydrogels. <i>Small</i> , 2019 , 15, e1903104	11	25
213	Zn-MOF Encapsulated Antibacterial and Degradable Microneedles Array for Promoting Wound Healing. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100056	10.1	25
212	Microfluidic generation of self-contained multicomponent microcapsules for self-healing materials. <i>Applied Physics Letters</i> , 2018 , 113, 203702	3.4	25
211	Mesoporous Colloidal Photonic Crystal Particles for Intelligent Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33936-33944	9.5	25
210	An Injectable, Wound-Adapting, Self-Healing Hydrogel for Fibroblast Growth Factor 2 Delivery System in Tissue Repair Applications. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 1660-1672	4	24
209	Photonic crystal beads from gravity-driven microfluidics. <i>Langmuir</i> , 2013 , 29, 7576-82	4	24
208	Stomatocyte structural color-barcode micromotors for multiplex assays. <i>National Science Review</i> , 2020 , 7, 644-651	10.8	24
207	Differential expression profiles of long non-coding RNAs reveal potential biomarkers for identification of human gastric cancer. <i>Oncology Reports</i> , 2016 , 35, 1529-40	3.5	24
206	A responsive porous hydrogel particle-based delivery system for oncotherapy. <i>Nanoscale</i> , 2019 , 11, 2687-2693	23	
205	Polypyrrole hollow fiber for solid phase extraction. <i>Analyst, The</i> , 2012 , 137, 1846-52	5	23
204	Spherical porphyrin sensor array based on encoded colloidal crystal beads for VOC vapor detection. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 6752-7	9.5	23

203	Smart Microneedles for Therapy and Diagnosis. <i>Research</i> , 2020 , 2020, 7462915	7.8	23
202	Colloidal Crystals from Microfluidics. <i>Small</i> , 2020 , 16, e1903931	11	23
201	Electric-tunable wettability on a paraffin-infused slippery pattern surface. <i>Chemical Engineering Journal</i> , 2020 , 381, 122612	14.7	23
200	Tubular inverse opal scaffolds for biomimetic vessels. <i>Nanoscale</i> , 2016 , 8, 13574-80	7.7	22
199	Cold-Responsive Nanocapsules Enable the Sole-Cryoprotectant-Trehalose Cryopreservation of Cell-Laden Hydrogels for Diabetes Treatment. <i>Small</i> , 2019 , 15, e1904290	11	22
198	Bio-inspired lubricant drug delivery particles for the treatment of osteoarthritis. <i>Nanoscale</i> , 2020 , 12, 17093-17102	7.7	22
197	Hierarchically Molecular Imprinted Porous Particles for Biomimetic Kidney Cleaning. <i>Advanced Materials</i> , 2020 , 32, e2005394	24	22
196	Microfluidics for Drug Development: From Synthesis to Evaluation. <i>Chemical Reviews</i> , 2021 , 121, 7468-7529	12.9	22
195	Droplet Microarray on Patterned Butterfly Wing Surfaces for Cell Spheroid Culture. <i>Langmuir</i> , 2019 , 35, 3832-3839	4	22
194	Porous Hydrogel-Encapsulated Photonic Barcodes for Multiplex Detection of Cardiovascular Biomarkers. <i>ACS Sensors</i> , 2019 , 4, 1384-1390	9.2	21
193	Osmotic pressure-triggered cavitation in microcapsules. <i>Lab on A Chip</i> , 2016 , 16, 251-5	7.2	21
192	Quantum-dot-encapsulated core-shell barcode particles from droplet microfluidics. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7257-7262	7.3	21
191	Mesenchymal stem cells prevent podocyte injury in lupus-prone B6.MRL-Fas ^{lpr} mice via polarizing macrophage into an anti-inflammatory phenotype. <i>Nephrology Dialysis Transplantation</i> , 2019 , 34, 597-603	4.3	21
190	Responsive drug-delivery microcarriers based on the silk fibroin inverse opal scaffolds for controllable drug release. <i>Applied Materials Today</i> , 2020 , 19, 100540	6.6	21
189	Claw-inspired microneedle patches with liquid metal encapsulation for accelerating incisional wound healing. <i>Chemical Engineering Journal</i> , 2021 , 406, 126741	14.7	21
188	Bioinspired superhydrophobic surface by hierarchically colloidal assembling of microparticles and colloidal nanoparticles. <i>Chemical Engineering Journal</i> , 2020 , 394, 125008	14.7	20
187	Quantum dots from microfluidics for nanomedical application. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019 , 11, e1567	9.2	20
186	Study of compound drop formation in axisymmetric microfluidic devices with different geometries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 533, 87-98	5.1	20

185	Microfluidics for Medical Additive Manufacturing. <i>Engineering</i> , 2020 , 6, 1244-1257	9.7	19
184	Suction Cups-Inspired Adhesive Patch with Tailorable Patterns for Versatile Wound Healing. <i>Advanced Science</i> , 2021 , 8, e2100201	13.6	19
183	Bio-inspired wettability patterns for biomedical applications. <i>Materials Horizons</i> , 2021 , 8, 124-144	14.4	19
182	Graphene hybrid colloidal crystal arrays with photo-controllable structural colors. <i>Nanoscale</i> , 2019 , 11, 10846-10851	7.7	18
181	Sustained benefit from combined plasmapheresis and allogeneic mesenchymal stem cells transplantation therapy in systemic sclerosis. <i>Arthritis Research and Therapy</i> , 2017 , 19, 165	5.7	18
180	Egg Component-Composited Inverse Opal Particles for Synergistic Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17058-17064	9.5	18
179	Microfluidic Generation of Bioinspired Spindle-knotted Graphene Microfibers for Oil Absorption. <i>ChemPhysChem</i> , 2018 , 19, 1990-1994	3.2	18
178	Droplet microfluidics with gravity-driven overflow system. <i>Chemical Engineering Journal</i> , 2019 , 362, 169-175	17.5	18
177	Bio-inspired adhesive porous particles with human MSCs encapsulation for systemic lupus erythematosus treatment. <i>Bioactive Materials</i> , 2021 , 6, 84-90	16.7	18
176	Silk Fibroin Microparticles with Hollow Mesoporous Silica Nanocarriers Encapsulation for Abdominal Wall Repair. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1801005	10.1	18
175	Colorimetric logic response based on aptamer functionalized colloidal crystal hydrogels. <i>Nanoscale</i> , 2015 , 7, 7565-8	7.7	17
174	Living Bacterial Microneedles for Fungal Infection Treatment. <i>Research</i> , 2020 , 2020, 2760594	7.8	17
173	MXene-Integrated Microneedle Patches with Innate Molecule Encapsulation for Wound Healing. <i>Research</i> , 2021 , 2021, 9838490	7.8	17
172	Surfactant-free HEMA crystal colloidal paint for structural color contact lens. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5222-5227	7.3	17
171	Anisotropic Microparticles from Microfluidics. <i>CheM</i> , 2021 , 7, 93-136	16.2	17
170	Magneto-Responsive Microneedle Robots for Intestinal Macromolecule Delivery. <i>Advanced Materials</i> , 2021 , 33, e2104932	24	17
169	Tunable fiber Bragg grating based on responsive photonic crystals. <i>Nanoscale</i> , 2013 , 5, 11572-6	7.7	16
168	Responsive photonic barcodes for sensitive multiplex bioassay. <i>Nanoscale</i> , 2017 , 9, 14111-14117	7.7	16

167	Morphological Hydrogel Microfibers with MXene Encapsulation for Electronic Skin. <i>Research</i> , 2021 , 2021, 7065907	7.8	16
166	Designing bioactive micro-/nanomotors for engineered regeneration. <i>Engineered Regeneration</i> , 2021 , 2, 109-115	5.2	16
165	Development of functional hydrogels for heart failure. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1563-1580		15
164	Self-Healable Magnetic Structural Color Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 7486-7493	9.5	15
163	Poly-3,4-ethylenedioxythiophene nanoclusters for high effective solid phase extraction. <i>Journal of Chromatography A</i> , 2013 , 1275, 17-24	4.5	15
162	Aptamer-based suspension array indexed by structural color and shape. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18659		15
161	Bio-inspired multicomponent carbon nanotube microfibers from microfluidics for supercapacitor. <i>Chemical Engineering Journal</i> , 2020 , 397, 125517	14.7	15
160	Bio-inspired intestinal scavenger from microfluidic electrospray for detoxifying lipopolysaccharide. <i>Bioactive Materials</i> , 2021 , 6, 1653-1662	16.7	15
159	Bioinspired pagoda-like microneedle patches with strong fixation and hemostasis capabilities. <i>Chemical Engineering Journal</i> , 2021 , 414, 128905	14.7	15
158	The Unusual Properties of Polytetrafluoroethylene Enable Massive-Volume Vitrification of Stem Cells with Low-Concentration Cryoprotectants. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800289	6.8	15
157	Dual-responsive graphene hybrid structural color hydrogels as visually electrical skins. <i>Chemical Engineering Journal</i> , 2021 , 415, 128978	14.7	15
156	Polydopamine Decorated Microneedles with Fe-MSC-Derived Nanovesicles Encapsulation for Wound Healing.. <i>Advanced Science</i> , 2022 , e2103317	13.6	15
155	Development of Cell Spheroids by Advanced Technologies. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000183	6.8	14
154	Heart-on-chips screening based on photonic crystals. <i>Bio-Design and Manufacturing</i> , 2020 , 3, 266-280	4.7	14
153	Porous MOF Microneedle Array Patch with Photothermal Responsive Nitric Oxide Delivery for Wound Healing. <i>Advanced Science</i> , 2021 , e2103449	13.6	14
152	Responsive Hydrogel Microcarrier-Integrated Microneedles for Versatile and Controllable Drug Delivery. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2002249	10.1	14
151	Emerging Functional Biomaterials as Medical Patches. <i>ACS Nano</i> , 2021 , 15, 5977-6007	16.7	14
150	Protein-Based Hybrid Responsive Microparticles for Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 18413-18422	9.5	14

149	Induced cardiomyocytes-integrated conductive microneedle patch for treating myocardial infarction. <i>Chemical Engineering Journal</i> , 2021 , 414, 128723	14.7	14
148	Natural polysaccharide based complex drug delivery system from microfluidic electrospray for wound healing. <i>Applied Materials Today</i> , 2021 , 23, 101000	6.6	14
147	Versatile Ice Microneedles for Transdermal Delivery of Diverse Actives. <i>Advanced Science</i> , 2021 , 8, e2101210	12.10	14
146	P-Glycoprotein Antibody Decorated Porous Hydrogel Particles for Capture and Release of Drug-Resistant Tumor Cells. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900136	10.1	13
145	Superwetttable colloidal crystal micropatterns on butterfly wing surface for ultrasensitive detection. <i>Journal of Colloid and Interface Science</i> , 2019 , 546, 122-129	9.3	13
144	Cholesteric Cellulose Liquid Crystals with Multifunctional Structural Colors. <i>Advanced Functional Materials</i> , 2021 , 31, 2107242	15.6	13
143	Suction-Cup-Inspired Adhesive Micromotors for Drug Delivery. <i>Advanced Science</i> , 2021 , e2103384	13.6	13
142	Bio-inspired multiple composite film with anisotropic surface wettability and adhesion for tissue repair. <i>Chemical Engineering Journal</i> , 2020 , 398, 125563	14.7	13
141	Design of a ZnO/Poly(vinylidene fluoride) inverse opal film for photon localization-assisted full solar spectrum photocatalysis. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 184-192	11.3	13
140	Black phosphorus quantum dots doped multifunctional hydrogel particles for cancer immunotherapy. <i>Chemical Engineering Journal</i> , 2021 , 408, 127349	14.7	13
139	Heterogeneous Structural Color Microfibers for Cardiomyocytes Tug-of-War. <i>Advanced Functional Materials</i> , 2021 , 31, 2007527	15.6	13
138	Microfluidic 3D Printing Responsive Scaffolds with Biomimetic Enrichment Channels for Bone Regeneration. <i>Advanced Functional Materials</i> , 2021 , 31, 2105190	15.6	13
137	Chinese herb microneedle patch for wound healing. <i>Bioactive Materials</i> , 2021 , 6, 3507-3514	16.7	13
136	Multifunctional Composite Inverse Opal Film with Multiactives for Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4567-4573	9.5	13
135	Bioinspired photonic barcodes for multiplexed target cycling and hybridization chain reaction. <i>Biosensors and Bioelectronics</i> , 2019 , 143, 111629	11.8	12
134	Magnetically responsive colloidal crystals with angle-independent gradient structural colors in microfluidic droplet arrays. <i>Nanoscale</i> , 2019 , 11, 12898-12904	7.7	12
133	Condensing-enriched magnetic photonic barcodes on superhydrophobic surface for ultrasensitive multiple detection. <i>Lab on A Chip</i> , 2019 , 19, 1783-1789	7.2	12
132	Bioinspired structural color particles with multi-layer graphene oxide encapsulated nanoparticle components. <i>Bioactive Materials</i> , 2020 , 5, 917-923	16.7	12

131	Label-Free Quantifications of Multiplexed Mycotoxins by G-Quadruplex Based on Photonic Barcodes. <i>Analytical Chemistry</i> , 2020 , 92, 2891-2895	7.8	12
130	Shear-driven two colliding motions of binary double emulsion droplets. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 121, 377-389	4.9	12
129	FDTD modeling of photonic crystal-incorporated gold nanoparticles for enhancing the localized electric field. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9540-9544	7.1	12
128	Binary optical encoding strategy for multiplex assay. <i>Langmuir</i> , 2011 , 27, 11722-8	4	12
127	Living Materials for Life Healthcare. <i>Accounts of Materials Research</i> , 2021 , 2, 59-70	7.5	12
126	Graphene oxide hydrogel particles from microfluidics for oil decontamination. <i>Journal of Colloid and Interface Science</i> , 2018 , 528, 372-378	9.3	12
125	Topographically Conductive Butterfly Wing Substrates for Directed Spiral Ganglion Neuron Growth. <i>Small</i> , 2021 , 17, e2102062	11	12
124	Tailoring Materials with Specific Wettability in Biomedical Engineering. <i>Advanced Science</i> , 2021 , 8, e2100136	12.6	12
123	Elastic MXene Hydrogel Microfiber-Derived Electronic Skin for Joint Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 47800-47806	9.5	12
122	Wearable droplet microfluidics. <i>Science Bulletin</i> , 2019 , 64, 1472-1473	10.6	11
121	Intrinsic Color Sensing System Allows for Real-Time Observable Functional Changes on Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>ACS Nano</i> , 2020 , 14, 8232-8246	16.7	11
120	Advances of droplet-based microfluidics in drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2020 , 15, 969-979	6.2	11
119	New strategy for surface functionalization of periodic mesoporous silica based on meso-HSiO _{1.5} . <i>Journal of the American Chemical Society</i> , 2014 , 136, 1178-81	16.4	11
118	Bioinspired Perovskite Nanocrystals-Integrated Photonic Crystal Microsphere Arrays for Information Security.. <i>Advanced Science</i> , 2022 , e2105278	13.6	11
117	Structural Color Materials from Natural Polymers. <i>Advanced Materials Technologies</i> , 2100296	6.8	11
116	Microfluidic droplet templates derived porous patch with anisotropic wettability. <i>Chemical Engineering Journal</i> , 2021 , 417, 128073	14.7	11
115	Sintering photonic beads for multiplex biosensing. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 588-94	1.3	10
114	Dynamically Re-Organized Collagen Fiber Bundles Transmit Mechanical Signals and Induce Strongly Correlated Cell Migration and Self-Organization. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11858-11867	16.4	10

113	Janus medical sponge dressings with anisotropic wettability for wound healing. <i>Applied Materials Today</i> , 2021 , 23, 101068	6.6	10
112	Droplet-Templated Synthetic Cells. <i>Matter</i> , 2021 , 4, 95-115	12.7	10
111	Shape memory graphene and cutting-edge achievements. <i>APL Materials</i> , 2020 , 8, 050903	5.7	9
110	Passing-over motion during binary collision between double emulsion droplets under shear. <i>Chemical Engineering Science</i> , 2018 , 183, 215-222	4.4	9
109	Chitin-Based Anisotropic Nanostructures of Butterfly Wings for Regulating Cells Orientation. <i>Polymers</i> , 2017 , 9,	4.5	9
108	Conductive Nerve Guidance Conduits Based on Butterfly Wings for Peripheral Nerve Repair.. <i>ACS Nano</i> , 2022 ,	16.7	9
107	Biomass Microcapsules with Stem Cell Encapsulation for Bone Repair. <i>Nano-Micro Letters</i> , 2021 , 14, 4	19.5	9
106	Sculpting Bio-Inspired Surface Textures: An Adhesive Janus Periosteum. <i>Advanced Functional Materials</i> , 2021 , 31, 2104636	15.6	9
105	Antibacterial Porous Microcarriers with a Pathological State Responsive Switch for Wound Healing.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2155-2161	4.1	8
104	Structural color barcodes for biodiagnostics. <i>View</i> , 2020 , 1, e8	7.8	8
103	Colloidal crystal beads composed of core-shell particles for multiplex bioassay. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 2586-91	1.3	8
102	Biomimetic Human lung-on-a-chip with Colorful Displaying Microphysiological Breath.. <i>Advanced Materials</i> , 2022 , e2108972	24	8
101	The Construction and Application of Three-Dimensional Biomaterials. <i>Advanced Biology</i> , 2020 , 4, e1900238	3.8	8
100	Boston Ivy-Inspired Disc-Like Adhesive Microparticles for Drug Delivery. <i>Research</i> , 2021 , 2021, 9895674	7.8	8
99	Ultrasound-Responsive Microfluidic Microbubbles for Combination Tumor Treatment. <i>Advanced Therapeutics</i> , 2021 , 4, 2100050	4.9	8
98	Micromotors from Microfluidics. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2417-2430	4.5	7
97	Binary optical barcodes for label-free multiplex detection based on molybdenum disulfide composites. <i>Composites Communications</i> , 2019 , 16, 136-142	6.7	7
96	Advances of multiplex and high throughput biomolecular detection technologies based on encoding microparticles. <i>Science China Chemistry</i> , 2011 , 54, 1185	7.9	7

95	Liver Spheroids on Chips as Emerging Platforms for Drug Screening. <i>Engineered Regeneration</i> , 2022 ,	5.2	7
94	Butterfly inspired functional materials. <i>Materials Science and Engineering Reports</i> , 2021 , 144, 100605	30.9	7
93	Thriving microfluidic technology. <i>Science Bulletin</i> , 2021 , 66, 9-12	10.6	7
92	Cheerios Effect Inspired Microbubbles as Suspended and Adhered Oral Delivery Systems. <i>Advanced Science</i> , 2021 , 8, 2004184	13.6	7
91	Bio-Inspired Multi-Responsive Structural Color Hydrogel with Constant Volume and Wide Viewing Angles. <i>Advanced Optical Materials</i> , 2021 , 9, 2100831	8.1	7
90	Photothermal Responsive Microspheres-Triggered Separable Microneedles for Versatile Drug Delivery. <i>Advanced Functional Materials</i> , 2022 , 32, 2110746	15.6	7
89	Quantum dots integrated biomass pollens as functional multicolor barcodes. <i>Chemical Engineering Journal</i> , 2020 , 395, 125106	14.7	6
88	Encoded Microneedles: Encoded Microneedle Arrays for Detection of Skin Interstitial Fluid Biomarkers (Adv. Mater. 37/2019). <i>Advanced Materials</i> , 2019 , 31, 1970267	24	6
87	Convenient generation of quantum dot-incorporated photonic crystal beads for multiplex bioassays. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 760-6	4	6
86	Multiplex chemiluminescent immunoassay based on silica colloidal crystal beads. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6320-5	1.3	6
85	Microfluidic electrospray photo-crosslinkable χ -Carrageenan microparticles for wound healing. <i>Engineered Regeneration</i> , 2021 , 2, 257-262	5.2	6
84	The anti-B7-H4 checkpoint synergizes trastuzumab treatment to promote phagocytosis and eradicate breast cancer. <i>Neoplasia</i> , 2020 , 22, 539-553	6.4	6
83	Tailoring Flexible Arrays for Artificial Cilia Actuators. <i>Advanced Intelligent Systems</i> , 2021 , 3, 2000225	6	6
82	Biomimetic nanoparticles as universal influenza vaccine. <i>Smart Materials in Medicine</i> , 2020 , 1, 21-23	12.9	6
81	Pollens derived magnetic porous particles for adsorption of low-density lipoprotein from plasma. <i>Bioactive Materials</i> , 2021 , 6, 1555-1562	16.7	6
80	Peanut-inspired anisotropic microparticles from microfluidics. <i>Composites Communications</i> , 2018 , 10, 129-135	6.7	6
79	Aptamer-decorated porous microneedles arrays for extraction and detection of skin interstitial fluid biomarkers. <i>Biosensors and Bioelectronics</i> , 2021 , 190, 113404	11.8	6
78	Hierarchical Hydrogels with Ordered Micro-Nano Structures for Cancer-on-a-Chip Construction.. <i>Research</i> , 2021 , 2021, 9845679	7.8	6

77	Optical monitoring the degradation of PLGA inverse opal film. <i>Chinese Chemical Letters</i> , 2013 , 24, 9-12	8.1	5
76	Ice-Inspired Lubricated Drug Delivery Particles from Microfluidic Electrospray for Osteoarthritis Treatment. <i>ACS Nano</i> , 2021 ,	16.7	5
75	Responsive Janus Structural Color Hydrogel Micromotors for Label-Free Multiplex Assays. <i>Research</i> , 2021 , 2021, 9829068	7.8	5
74	Nanomotor-Derived Porous Biomedical Particles from Droplet Microfluidics. <i>Advanced Science</i> , 2021 , e2104272	13.6	5
73	Programmable Knot Microfibers from Piezoelectric Microfluidics. <i>Small</i> , 2021 , e2104309	11	5
72	Nano-imprinted anisotropic structural color graphene films for cardiomyocytes dynamic displaying. <i>Materials Today</i> , 2021 , 51, 117-117	21.8	5
71	Medical Additive Manufacturing: From a Frontier Technology to the Research and Development of Products. <i>Engineering</i> , 2020 , 6, 1217-1221	9.7	5
70	Engineering microcapsules to construct vascularized human brain organoids. <i>Chemical Engineering Journal</i> , 2021 , 424, 130427	14.7	5
69	Recombinant human collagen hydrogels with hierarchically ordered microstructures for corneal stroma regeneration. <i>Chemical Engineering Journal</i> , 2022 , 428, 131012	14.7	5
68	Metformin loaded porous particles with bio-microenvironment responsiveness for promoting tumor immunotherapy. <i>Biomaterials Science</i> , 2021 , 9, 2082-2089	7.4	5
67	Arrowhead Composite Microneedle Patches with Anisotropic Surface Adhesion for Preventing Intrauterine Adhesions.. <i>Advanced Science</i> , 2022 , e2104883	13.6	5
66	Electroconductive and Anisotropic Structural Color Hydrogels for Visual Heart-on-a-Chip Construction.. <i>Advanced Science</i> , 2022 , e2105777	13.6	5
65	Hierarchically Inverse Opal Porous Scaffolds from Droplet Microfluidics for Biomimetic 3D Cell Co-Culture. <i>Engineering</i> , 2021 ,	9.7	4
64	Bioinspired adhesive microneedle patch with gemcitabine encapsulation for pancreatic cancer treatment. <i>Chemical Engineering Journal</i> , 2021 , 431, 133362	14.7	4
63	Bioinspired Artificial Liver System with hiPSC-Derived Hepatocytes for Acute Liver Failure Treatment. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2101580	10.1	4
62	Biomimic organ architectures and functions by assembling organoid models. <i>Science Bulletin</i> , 2021 , 66, 862-864	10.6	4
61	Bio-inspired Janus structural color films as visually flexible electronics. <i>Applied Materials Today</i> , 2021 , 24, 101124	6.6	4
60	Multiplexed CRISPR/Cas9 quantifications based on bioinspired photonic barcodes. <i>Nano Today</i> , 2021 , 40, 101268	17.9	4

59	Responsive and self-healing structural color supramolecular hydrogel patch for diabetic wound treatment.. <i>Bioactive Materials</i> , 2022 , 15, 194-202	16.7	4
58	Coordination polymer nanozymes-integrated colorimetric microneedle patches for intelligent wound infection management. <i>Chemical Engineering Journal</i> , 2022 , 444, 136640	14.7	4
57	Multiplexed detection of tumor biomarkers utilizing immunohybridization Chain reaction integrated photonic barcodes. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128535	8.5	3
56	Tiny water droplet with huge power. <i>Science Bulletin</i> , 2020 , 65, 693-695	10.6	3
55	Identification and functional characterization of long non-coding RNAs in human gastric cancer. <i>Oncology Letters</i> , 2018 , 15, 8805-8815	2.6	3
54	Cuttlefish Ink Tagged Photonic Crystal Particles and Their Ion-Responsive Construction. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 4834-4840	1.3	3
53	Curcumin mitigates the epithelial-to-mesenchymal transition in biliary epithelial cells through upregulating CD109 expression. <i>Drug Development Research</i> , 2019 , 80, 992-999	5.1	3
52	Photo-bleaching immunity encoded photonic suspension array for label-free multiplex analysis. <i>Chemical Communications</i> , 2009 , 7012-4	5.8	3
51	High-quality substrate for fluorescence enhancement using agarose-coated silica opal film. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 4929-35	1.3	3
50	Shear-flow-induced graphene coating microfibers from microfluidic spinning.. <i>Innovation(China)</i> , 2022 , 3, 100209	17.8	3
49	MSCs-laden injectable self-healing hydrogel for systemic sclerosis treatment.. <i>Bioactive Materials</i> , 2022 , 17, 369-378	16.7	3
48	Oxygen-carrying microfluidic microcapsules for enhancing chemo-sonodynamic therapy on patient-derived tumor organoid models. <i>Chemical Engineering Journal</i> , 2022 , 435, 134871	14.7	3
47	Roe-inspired stem cell microcapsules for inflammatory bowel disease treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
46	Porous hydrogel arrays for hepatoma cell spheroid formation and drug resistance investigation. <i>Bio-Design and Manufacturing</i> , 2021 , 4, 842-850	4.7	3
45	Comparison of three classification criteria of rheumatoid arthritis in an inception early arthritis cohort. <i>Clinical Rheumatology</i> , 2016 , 35, 2397-401	3.9	3
44	Porous Polyvinylidene Fluoride Thin-Film Sensors from Colloidal Crystal Templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 8104-8111	1.3	3
43	Antigen-Presenting Hybrid Colloidal Crystal Clusters for Promoting T cells Expansion. <i>Small</i> , 2021 , 17, e2006955	11	3
42	Microfluidic encapsulated manganese organic frameworks as enzyme mimetics for inflammatory bowel disease treatment. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 1382-1390	9.3	3

41	Tailoring conductive inverse opal films with anisotropic elliptical porous patterns for nerve cell orientation.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 117	9.4	3
40	Microfluidic 3D printing polyhydroxyalkanoates-based bionic skin for wound healing 2022 , 1, 015401		2
39	Conductive materials with elaborate micro/nanostructures for bioelectronics.. <i>Advanced Materials</i> , 2022 , e2110024	24	2
38	Orally administrated nucleotide-delivery particles from microfluidics for inflammatory bowel disease treatment. <i>Applied Materials Today</i> , 2021 , 25, 101231	6.6	2
37	Slippery Textiles: Microfluidic Printing of Slippery Textiles for Medical Drainage around Wounds (Adv. Sci. 16/2020). <i>Advanced Science</i> , 2020 , 7, 2070090	13.6	2
36	Inverse opal substrate-loaded mesenchymal stem cells contribute to decreased myocardial remodeling after transplantation into acute myocardial infarction mice. <i>International Journal of Nanomedicine</i> , 2018 , 13, 7033-7046	7.3	2
35	NIR-responsive structural color hydrogel microchannel for self-regulating microfluidic system. <i>Applied Materials Today</i> , 2021 , 24, 101115	6.6	2
34	Bio-inspired slippery surfaces with multifunctional anti-icing performance. <i>Science China Technological Sciences</i> , 2021 , 64, 2110	3.5	2
33	Near-Infrared Responsive Droplet for Digital PCR.. <i>Small</i> , 2022 , e2107858	11	2
32	Hedgehog-inspired magnetic nanoparticles for effectively capturing and detecting exosomes. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	2
31	Aptamer-Functionalized Barcodes in Herringbone Microfluidics for Multiple Detection of Exosomes.. <i>Small Methods</i> , 2022 , e2200236	12.8	2
30	Porous microcapsules encapsulating β cells generated by microfluidic electrospray technology for diabetes treatment. <i>NPG Asia Materials</i> , 2022 , 14,	10.3	2
29	Bioactive Fish Scale Scaffolds with MSCs-Loading for Skin Flap Regeneration. <i>Advanced Science</i> , 2021 , 13, 2201226	13.6	2
28	Dynamically Responsive Scaffolds from Microfluidic 3D Printing for Skin Flap Regeneration. <i>Advanced Science</i> , 2021 , 13, 2201155	13.6	2
27	Expression of long non-coding RNA SFTA1P and its function in non-small cell lung cancer. <i>Pathology Research and Practice</i> , 2020 , 216, 153049	3.4	1
26	Lipocalin-2 Exacerbates Lupus Nephritis by Promoting Th1 Cell Differentiation. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 2263-2277	12.7	1
25	Pereparation of Hollow Silica Core/Mesoporous Silica Shell Monodisperse Uniform Spheres. <i>Advanced Materials Research</i> , 2013 , 668, 207-210	0.5	1
24	Micro/Nanostructured Materials from Droplet Microfluidics 2020 , 1-46		1

23	Umbilical cord mesenchymal stem cells enhance the therapeutic effect of imipenem by regulating myeloid-derived suppressor cells in septic mice. <i>Annals of Translational Medicine</i> , 2021 , 9, 404	3.2	1
22	Frontispiece: Dynamically Re-Organized Collagen Fiber Bundles Transmit Mechanical Signals and Induce Strongly Correlated Cell Migration and Self-Organization. <i>Angewandte Chemie - International Edition</i> , 2021 , 60,	16.4	1
21	Microfluidic generation of barcodes with in situ synthesized perovskite quantum dot encapsulation. <i>Science China Chemistry</i> , 2021 , 64, 1540-1546	7.9	1
20	Stem Cell Cryopreservation: The Unusual Properties of Polytetrafluoroethylene Enable Massive-Volume Vitrification of Stem Cells with Low-Concentration Cryoprotectants (Adv. Mater. Technol. 1/2019). <i>Advanced Materials Technologies</i> , 2019 , 4, 1970007	6.8	1
19	Protein microcapsules integrated hierarchical scaffolds for local treatment of acute myocardial infarction model. <i>Applied Materials Today</i> , 2021 , 22, 100901	6.6	1
18	Bioinspired Photonic Barcodes: Bioinspired Photonic Barcodes with Graphene Oxide Encapsulation for Multiplexed MicroRNA Quantification (Small 52/2018). <i>Small</i> , 2018 , 14, 1870255	11	1
17	Validation of new classification criteria of rheumatoid arthritis in an international multicentre study. <i>Clinical and Experimental Rheumatology</i> , 2020 , 38, 841-847	2.2	1
16	Developing tissue engineering strategies for liver regeneration. <i>Engineered Regeneration</i> , 2022 , 3, 80-91	5.2	1
15	ECM-inspired peptide dendrimer microgels with human MSCs encapsulation for systemic lupus erythematosus treatment. <i>Nano Today</i> , 2022 , 43, 101454	17.9	1
14	Natural proteins-derived asymmetric porous conduit for peripheral nerve regeneration. <i>Applied Materials Today</i> , 2022 , 27, 101431	6.6	1
13	Prebiotics and Postbiotics Synergistic Delivery Microcapsules from Microfluidics for Treating Colitis.. <i>Advanced Science</i> , 2022 , e2104089	13.6	1
12	Developing organs-on-chips for biomedicine. <i>Science Bulletin</i> , 2022 , 67, 1108-1108	10.6	1
11	Artificial Lipids and Macrophage Membranes Coassembled Biomimetic Nanovesicles for Antibacterial Treatment. <i>Small</i> , 2201280	11	1
10	Controllable growth of spiral ganglion neurons by magnetic colloidal nanochains. <i>Nano Today</i> , 2022 , 44, 101507	17.9	1
9	Photocatalysts: Construction of Self-Healing Internal Electric Field for Sustainably Enhanced Photocatalysis (Adv. Funct. Mater. 16/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970105	15.6	0
8	Bioinspired perovskite quantum dots microfibers from microfluidics. <i>Science China Materials</i> , 2021 , 64, 2858-2867	7.1	0
7	Bio-inspired self-replenishing and self-reporting slippery surfaces from colloidal co-assembly templates. <i>Chemical Engineering Journal</i> , 2021 , 426, 131641	14.7	0
6	High-throughput generation of microgels in centrifugal multi-channel rotating system. <i>Chemical Engineering Journal</i> , 2022 , 427, 130750	14.7	0

5	In Situ 3D Bioprinting Living Photosynthetic Scaffolds for Autotrophic Wound Healing.. <i>Research</i> , 2022 , 2022, 9794745	7.8	o
4	Porous Microcarriers with Pancreatic β Cell Aggregates Loading for Diabetic Care. <i>Chemical Engineering Journal</i> , 2022 , 436, 135174	14.7	
3	Omnipotent tissue adhesive. <i>Science Bulletin</i> , 2020 , 65, 428-430	10.6	
2	Dynamically Re-Organized Collagen Fiber Bundles Transmit Mechanical Signals and Induce Strongly Correlated Cell Migration and Self-Organization. <i>Angewandte Chemie</i> , 2021 , 133, 11965-11974	3.6	
1	Topographically Conductive Butterfly Wing Substrates for Directed Spiral Ganglion Neuron Growth (Small 38/2021). <i>Small</i> , 2021 , 17, 2170200	11	