

Yongfeng Mei

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.

304
papers

9,616
citations

49
h-index

86
g-index

345
ext. papers

10,840
ext. citations

7.8
avg, IF

6.33
L-index

#	Paper	IF	Citations
304	Area-selective and precise assembly of metal organic framework particles by atomic layer deposition induction and its application for ultra-sensitive dopamine sensor. <i>Nano Today</i> , 2022 , 42, 101347	17.9	2
303	Anisotropic magnetized tubular microrobots for bioinspired adaptive locomotion. <i>Applied Materials Today</i> , 2022 , 27, 101457	6.6	1
302	Enhanced Evanescent Field Coupling of Smart Particles in Tubular Optical Microcavity for Sensing Application. <i>Advanced Optical Materials</i> , 2022 , 10, 2102158	8.1	0
301	Atomistic Observation of the Local Phase Transition in MoTe for Application in Homojunction Photodetectors.. <i>Small</i> , 2022 , e2200913	11	3
300	Two-dimensional transition metal dichalcogenide with increased entropy for piezoelectric electronics.. <i>Advanced Materials</i> , 2022 , e2201630	24	1
299	Graphene-assisted metal transfer printing for wafer-scale integration of metal electrodes and two-dimensional materials. <i>Nature Electronics</i> , 2022 , 5, 275-280	28.4	4
298	Magnetically propelled soft microrobot navigating through constricted microchannels. <i>Applied Materials Today</i> , 2021 , 25, 101237	6.6	4
297	Integration of a Metal-Organic Framework Film with a Tubular Whispering-Gallery-Mode Microcavity for Effective CO Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 58104-58113	9.5	0
296	Self-Rolling of Monolayer Graphene for Ultrasensitive Molecular Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49146-49152	9.5	1
295	Single Whispering Gallery Mode in Mesh-Structured Tubular Microcavity with Tunable Axial Confinement. <i>Advanced Photonics Research</i> , 2021 , 2, 2000163	1.9	3
294	A Strain-engineered Helical Structure as a Self-adaptive Magnetic Microswimmer. <i>ChemNanoMat</i> , 2021 , 7, 607-612	3.5	2
293	Micro-Bio-Chemo-Mechanical-Systems: Micromotors, Microfluidics, and Nanozymes for Biomedical Applications. <i>Advanced Materials</i> , 2021 , 33, e2007465	24	12
292	Recent Advances in Heterosilica-Based Micro/Nanomotors: Designs, Biomedical Applications, and Future Perspectives. <i>Chemistry of Materials</i> , 2021 , 33, 3022-3046	9.6	12
291	Self-powered locomotion of a hydrogel water strider. <i>Science Robotics</i> , 2021 , 6,	18.6	23
290	Effects of Voltage and Temperature on Photoelectric Properties of Rolled-Up Quantum Well Nanomembranes. <i>Journal of Electronic Materials</i> , 2021 , 50, 3111-3115	1.9	0
289	Structural Coloration by Internal Reflection and Interference in Hydrogel Microbubbles and Their Precursors. <i>Advanced Optical Materials</i> , 2021 , 9, 2100259	8.1	2
288	Single Whispering Gallery Mode in Mesh-Structured Tubular Microcavity with Tunable Axial Confinement. <i>Advanced Photonics Research</i> , 2021 , 2, 2170014	1.9	

287	Miniaturized electromechanical devices for the characterization of the biomechanics of deep tissue. <i>Nature Biomedical Engineering</i> , 2021 , 5, 759-771	19	25
286	Flying Squirrel-Inspired Motion Control of a Light-Deformed Pt-PAzoMA Micromotor through Drag Force Manipulation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30106-30117	9.5	3
285	Biomedical Implants with Charge-Transfer Monitoring and Regulating Abilities. <i>Advanced Science</i> , 2021 , 8, e2004393	13.6	7
284	Shaping and structuring 2D materials via kirigami and origami. <i>Materials Science and Engineering Reports</i> , 2021 , 145, 100621	30.9	5
283	Graphene-mediated ferromagnetic coupling in the nickel nano-islands/graphene hybrid. <i>Science Advances</i> , 2021 , 7,	14.3	2
282	Gaussian-preserved, non-volatile shape morphing in three-dimensional microstructures for dual-functional electronic devices. <i>Nature Communications</i> , 2021 , 12, 509	17.4	9
281	Co9S8 Nanoparticles for Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2021 , 4, 1776-1785	5.6	8
280	Formation of GrapheneSilicon Junction by Room Temperature Reduction With Simultaneous Defects Removal. <i>IEEE Transactions on Electron Devices</i> , 2021 , 68, 873-878	2.9	
279	Local Cracking-Induced Scalable Flexible Silicon Nanogaps for Dynamically Tunable Surface Enhanced Raman Scattering Substrates. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100661	4.6	1
278	Atomic layer deposition-assisted fabrication of 3D Co-doped carbon framework for sensitive enzyme-free lactic acid sensor. <i>Chemical Engineering Journal</i> , 2021 , 417, 129285	14.7	10
277	Air-Filled Microbubbles Based on Albumin Functionalized with Gold Nanocages and Zinc Phthalocyanine for Multimodal Imaging. <i>Micromachines</i> , 2021 , 12,	3.3	3
276	Nanomembrane folding origami: Geometry control and micro-machine applications. <i>Progress in Natural Science: Materials International</i> , 2021 , 31, 865-871	3.6	0
275	Catalytic/magnetic assemblies of rolled-up tubular nanomembrane-based micromotors.. <i>RSC Advances</i> , 2020 , 10, 36526-36530	3.7	0
274	Silicon nanomembrane phototransistor flipped with multifunctional sensors toward smart digital dust. <i>Science Advances</i> , 2020 , 6, eaaz6511	14.3	11
273	Graphene Wrinkles: Enhanced Peltier Effect in Wrinkled Graphene Constriction by Nano-Bubble Engineering (Small 14/2020). <i>Small</i> , 2020 , 16, 2070079	11	
272	Hydrogel-Based Janus Micromotors Capped with Functional Nanoparticles for Environmental Applications. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000279	6.8	5
271	Hotspots on the Move: Active Molecular Enrichment by Hierarchically Structured Micromotors for Ultrasensitive SERS Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28783-28791	9.5	20
270	Self-rolled TiO2 microscroll/graphene composite for electrochemical dopamine sensing. <i>Progress in Natural Science: Materials International</i> , 2020 , 30, 337-342	3.6	8

269	Wafer-scale growth of single-crystal graphene on vicinal Ge(001) substrate. <i>Nano Today</i> , 2020 , 34, 100908-9	7.9	14
268	Synthesis of Metal Oxide/Carbon Nanofibers via Biostructure Confinement as High-Capacity Anode Materials. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29566-29574	9.5	2
267	Epitaxial-assembled monolayer superlattices for efficient micromotor propulsion. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 274004	3	1
266	A simple method to fabricate metal-oil micromachines. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	3
265	Parameters Optimization of Catalytic Tubular Nanomembrane-Based Oxygen Microbubble Generator. <i>Micromachines</i> , 2020 , 11,	3.3	2
264	Inorganic Stimuli-Responsive Nanomembranes for Small-Scale Actuators and Robots. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2070023	6	0
263	Enhanced Peltier Effect in Wrinkled Graphene Constriction by Nano-Bubble Engineering. <i>Small</i> , 2020 , 16, e1907170	11	14
262	Atomic layer deposition-induced integration of N-doped carbon particles on carbon foam for flexible supercapacitor. <i>Journal of Materiomics</i> , 2020 , 6, 209-215	6.7	9
261	Material strategies for on-demand smart transient electronics. <i>MRS Bulletin</i> , 2020 , 45, 129-134	3.2	9
260	Nanoparticle-Shelled Catalytic Bubble Micromotor. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901583	4.6	18
259	Atomic layer deposition synthesized ZnO nanomembranes: A facile route towards stable supercapacitor electrode for high capacitance. <i>Journal of Power Sources</i> , 2020 , 451, 227740	8.9	32
258	Nickel nanograins anchored on a carbon framework for an efficient hydrogen evolution electrocatalyst and a flexible electrode. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3499-3508	13	13
257	Ferroelectric Enhanced Performance of a GeSn/Ge Dual-Nanowire Photodetector. <i>Nano Letters</i> , 2020 , 20, 3872-3879	11.5	21
256	Requirement and Development of Hydrogel Micromotors towards Biomedical Applications. <i>Research</i> , 2020 , 2020, 7659749	7.8	19
255	Strongly polarized quantum well infrared photodetector with metallic cavity for narrowband wavelength selective detection. <i>Applied Physics Letters</i> , 2020 , 116, 161107	3.4	7
254	Low-dimensional vanadium dioxide nanomaterials: fabrication, properties and applications. <i>JPhys Materials</i> , 2020 , 3, 032007	4.2	1
253	Atomic layer deposited nanostructures and their applications in energy storage and sensing. <i>Journal of Materials Research</i> , 2020 , 35, 701-719	2.5	16
252	Hydrogel microcapsules with photocatalytic nanoparticles for removal of organic pollutants. <i>Environmental Science: Nano</i> , 2020 , 7, 656-664	7.1	27

251	Atomic Layer Deposition-Derived Nanomaterials: Oxides, Transition Metal Dichalcogenides, and Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2020 , 32, 9056-9077	9.6	9
250	Semidry release of nanomembranes for tubular origami. <i>Applied Physics Letters</i> , 2020 , 117, 113106	3.4	3
249	Gate-tunable two-dimensional superconductivity revealed in flexible wafer-scale hybrid structures. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14605-14610	7.1	0
248	Sonication-Triggered Rolling of Janus Porous Nanomembranes for Electrochemical Sensing of Dopamine and Ascorbic Acid. <i>ACS Applied Nano Materials</i> , 2020 , 3, 10032-10039	5.6	10
247	Growth and stress analyses of vanadium dioxide nanomembranes for controllable rolling. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 455105	3	0
246	Programmable 3D Self-Folding Structures with Strain Engineering. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2000101	6	3
245	Gas-Solution Interface Technique as a simple method to produce inorganic microtubes with scroll morphology. <i>Progress in Natural Science: Materials International</i> , 2020 , 30, 279-288	3.6	3
244	Tubular/helical architecture construction based on rolled-up AlN nanomembranes and resonance as optical microcavity. <i>Journal of Semiconductors</i> , 2020 , 41, 042601	2.3	4
243	Versatile Rolling Origami to Fabricate Functional and Smart Materials. <i>Cell Reports Physical Science</i> , 2020 , 1, 100244	6.1	6
242	Spectrum projection with a bandgap-gradient perovskite cell for colour perception. <i>Light: Science and Applications</i> , 2020 , 9, 162	16.7	16
241	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1654-1658	3.8	0
240	Ambipolar Plasmon-Enhanced Photodetector Built on Germanium Nanodots Array/Graphene Hybrid. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2001122	4.6	5
239	Self-Bondable and Stretchable Conductive Composite Fibers with Spatially Controlled Percolated Ag Nanoparticle Networks: Novel Integration Strategy for Wearable Electronics. <i>Advanced Functional Materials</i> , 2020 , 30, 2005447	15.6	15
238	Janus Micromotors: Hydrogel-Based Janus Micromotors Capped with Functional Nanoparticles for Environmental Applications (Adv. Mater. Technol. 8/2020). <i>Advanced Materials Technologies</i> , 2020 , 5, 2070049	6.8	1
237	Ultrasensitive and Stretchable Conductive Fibers Using Percolated Pd Nanoparticle Networks for Multisensing Wearable Electronics: Crack-Based Strain and H Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45243-45253	9.5	8
236	Oxide nanomembrane induced assembly of a functional smart fiber composite with nanoporosity for an ultra-sensitive flexible glucose sensor. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 26119-26129	13	11
235	Inorganic Stimuli-Responsive Nanomembranes for Small-Scale Actuators and Robots. <i>Advanced Intelligent Systems</i> , 2020 , 2, 1900092	6	2
234	Programmable 3D Self-Folding Structures with Strain Engineering. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2070121	6	3

233	Rolling up MoSe Nanomembranes as a Sensitive Tubular Photodetector. <i>Small</i> , 2019 , 15, e1902528	11	26
232	Tubular Photodetectors: Rolling up MoSe ₂ Nanomembranes as a Sensitive Tubular Photodetector (Small 42/2019). <i>Small</i> , 2019 , 15, 1970229	11	0
231	Sponge-templated production of ultra-thin ZnO nanosheets for printed ultraviolet photodetectors. <i>Applied Physics Letters</i> , 2019 , 115, 122106	3-4	4
230	Rolled-up single-layered vanadium oxide nanomembranes for microactuators with tunable active temperature. <i>Nanotechnology</i> , 2019 , 30, 354003	3-4	1
229	Strain-modulated photoelectric properties of self-rolled GaAs/Al _{0.26} Ga _{0.74} As quantum well nanomembrane. <i>Applied Physics Express</i> , 2019 , 12, 065003	2-4	4
228	Oxygen Microbubble Generator Enabled by Tunable Catalytic Microtubes. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2431-2434	4-5	5
227	Thermal-controlled releasing and assembling of functional nanomembranes through polymer pyrolysis. <i>Nanotechnology</i> , 2019 , 30, 354001	3-4	6
226	Thickness-Dependent Electronic Transport in Ultrathin, Single Crystalline Silicon Nanomembranes. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900232	6-4	7
225	Design and Fabrication of Tubular Micro/Nanomotors via 3D Laser Lithography. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2472-2478	4-5	14
224	Mode-splitting based optofluidic sensing at exceptional points in tubular microcavities. <i>Optics Communications</i> , 2019 , 446, 128-133	2	4
223	On-Chip Rolling Design for Controllable Strain Engineering and Enhanced Photon-Phonon Interaction in Graphene. <i>Small</i> , 2019 , 15, e1805477	11	11
222	Rolled-Up Monolayer Graphene Tubular Micromotors: Enhanced Performance and Antibacterial Property. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2479-2484	4-5	13
221	Tubular catalytic micromotors in transition from unidirectional bubble sequences to more complex bidirectional motion. <i>Applied Physics Letters</i> , 2019 , 114, 033701	3-4	14
220	Silicon nanomembrane-based near infrared phototransistor with positive and negative photodetections. <i>Nanoscale</i> , 2019 , 11, 16844-16851	7-7	6
219	One body, two hands: photocatalytic function- and Fenton effect-integrated light-driven micromotors for pollutant degradation. <i>Nanoscale</i> , 2019 , 11, 16592-16598	7-7	23
218	Ultrathin Silicon Nanomembrane in a Tubular Geometry for Enhanced Photodetection. <i>Advanced Optical Materials</i> , 2019 , 7, 1900823	8-1	5
217	Rolling origami with smart materials. <i>Science Bulletin</i> , 2019 , 64, 1080-1082	10.6	2
216	Energy band modulation of GaAs/Al _{0.26} Ga _{0.74} As quantum well in 3D self-assembled nanomembranes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 2938-2942 ²⁻³		1

215	TiO Nanomembranes Fabricated by Atomic Layer Deposition for Supercapacitor Electrode with Enhanced Capacitance. <i>Nanoscale Research Letters</i> , 2019 , 14, 92	5	19
214	A Bioresorbable Magnetically Coupled System for Low-Frequency Wireless Power Transfer. <i>Advanced Functional Materials</i> , 2019 , 29, 1905451	15.6	35
213	Cycling-Induced Capacity Increase of Graphene Aerogel/ZnO Nanomembrane Composite Anode Fabricated by Atomic Layer Deposition. <i>Nanoscale Research Letters</i> , 2019 , 14, 69	5	7
212	Microdroplet-guided intercalation and deterministic delamination towards intelligent rolling origami. <i>Nature Communications</i> , 2019 , 10, 5019	17.4	15
211	Atomic Layer Deposition Inducing Integration of Co, N Codoped Carbon Sphere on 3D Foam with Hierarchically Porous Structures for Flexible Hydrogen Producing Device. <i>Advanced Functional Materials</i> , 2019 , 29, 1906365	15.6	21
210	2D-material-integrated whispering-gallery-mode microcavity. <i>Photonics Research</i> , 2019 , 7, 905	6	15
209	Hydrogel micromotors with catalyst-containing liquid core and shell. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 214004	1.8	19
208	Light-controlled two-dimensional TiO plate micromotors.. <i>RSC Advances</i> , 2019 , 9, 29433-29439	3.7	7
207	Novel Flexible Material-Based Unobtrusive and Wearable Body Sensor Networks for Vital Sign Monitoring. <i>IEEE Sensors Journal</i> , 2019 , 19, 8502-8513	4	17
206	Tubular 3D Resistive Random Access Memory Based on Rolled-Up h-BN Tube. <i>Small</i> , 2019 , 15, e180387611		16
205	Strain engineering and mechanical assembly of silicon/germanium nanomembranes. <i>Materials Science and Engineering Reports</i> , 2018 , 128, 1-31	30.9	42
204	Surface wave resonance and chirality in a tubular cavity with metasurface design. <i>Optics Communications</i> , 2018 , 417, 42-45	2	3
203	Stimuli-responsive and on-chip nanomembrane micro-rolls for enhanced macroscopic visual hydrogen detection. <i>Science Advances</i> , 2018 , 4, eaap8203	14.3	32
202	Excitation Position Sensitive Upconversion Emission of Lanthanide Ions Doped NaYF_4 Single Microcrystals. <i>ChemNanoMat</i> , 2018 , 4, 348-352	3.5	2
201	Reconfigurable Vanadium Dioxide Nanomembranes and Microtubes with Controllable Phase Transition Temperatures. <i>Nano Letters</i> , 2018 , 18, 3017-3023	11.5	43
200	Asymmetrically Curved Hyperbolic Metamaterial Structure with Gradient Thicknesses for Enhanced Directional Spontaneous Emission. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7704-7708	9.5	11
199	Printable inorganic nanomaterials for flexible transparent electrodes: from synthesis to application. <i>Journal of Semiconductors</i> , 2018 , 39, 011002	2.3	8
198	Assembly and Self-Assembly of Nanomembrane Materials-From 2D to 3D. <i>Small</i> , 2018 , 14, e1703665	11	40

197	Flexible and Hierarchically Structured Sulfur Composite Cathode Based on the Carbonized Textile for High-Performance Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3938-3947	9.5	28
196	Tubular Micro/Nanomachines: From the Basics to Recent Advances. <i>Advanced Functional Materials</i> , 2018 , 28, 1705872	15.6	80
195	Carbon dioxide bubble-propelled microengines in carbonated water and beverages. <i>Chemical Communications</i> , 2018 , 54, 5692-5695	5.8	9
194	Three-dimensional carbon/ZnO nanomembrane foam as an anode for lithium-ion battery with long-life and high areal capacity. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7227-7235	13	48
193	Transferred, Ultrathin Oxide Bilayers as Biofluid Barriers for Flexible Electronic Implants. <i>Advanced Functional Materials</i> , 2018 , 28, 1702284	15.6	36
192	Infrared tubular microcavity based on rolled-up GeSn/Ge nanomembranes. <i>Nanotechnology</i> , 2018 , 29, 42LT02	3.4	6
191	Anomalous scaling laws of hyperbolic metamaterials in a tubular geometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 391	1.7	4
190	Multifunctional Nanocracks in Silicon Nanomembranes by Notch-Assisted Transfer Printing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25644-25651	9.5	7
189	Geometry Design, Principles and Assembly of Micromotors. <i>Micromachines</i> , 2018 , 9,	3.3	41
188	Double quantum criticality in superconducting tin arrays-graphene hybrid. <i>Nature Communications</i> , 2018 , 9, 2159	17.4	9
187	Biosystem Assembly: Origami Biosystems: 3D Assembly Methods for Biomedical Applications (Adv. Biosys. 12/2018). <i>Advanced Biology</i> , 2018 , 2, 1870113	3.5	1
186	Rolled-up Nanotechnology: Materials Issue and Geometry Capability. <i>Advanced Materials Technologies</i> , 2018 , 4, 1800486	6.8	15
185	Sandwiched porous C/ZnO/porous C nanosheet battery anodes with a stable solid-electrolyte interphase for fast and long cycling. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22870-22878	13	22
184	Schottky Barrier Modulation in Surface Nanoroughened Silicon Nanomembranes for High-Performance Optoelectronics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41497-41503	9.5	3
183	Selected and Enhanced Single Whispering-Gallery Mode Emission from a Mesostructured Nanomembrane Microcavity. <i>Nano Letters</i> , 2018 , 18, 8035-8040	11.5	11
182	Transient Electronics: High-Temperature-Triggered Thermally Degradable Electronics Based on Flexible Silicon Nanomembranes (Adv. Funct. Mater. 45/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870323	15.6	1
181	Ultrathin Trilayer Assemblies as Long-Lived Barriers against Water and Ion Penetration in Flexible Bioelectronic Systems. <i>ACS Nano</i> , 2018 , 12, 10317-10326	16.7	33
180	Flexible Transient Phototransistors by Use of Wafer-Compatible Transferred Silicon Nanomembranes. <i>Small</i> , 2018 , 14, e1802985	11	10

179	Formation of Si Hollow Structures as Promising Anode Materials through Reduction of Silica in AlCl ₃ -NaCl Molten Salt. <i>ACS Nano</i> , 2018 , 12, 11481-11490	16.7	55
178	Origami Biosystems: 3D Assembly Methods for Biomedical Applications. <i>Advanced Biology</i> , 2018 , 2, 1800230	3.0	39
177	High-Temperature-Triggered Thermally Degradable Electronics Based on Flexible Silicon Nanomembranes. <i>Advanced Functional Materials</i> , 2018 , 28, 1801448	15.6	22
176	Anisotropic Rolling and Controlled Chirality of Nanocrystalline Diamond Nanomembranes toward Biomimetic Helical Frameworks. <i>Nano Letters</i> , 2018 , 18, 3688-3694	11.5	24
175	Facile design of ultra-thin anodic aluminum oxide membranes for the fabrication of plasmonic nanoarrays. <i>Nanotechnology</i> , 2017 , 28, 105301	3.4	47
174	Geometry modulated upconversion photoluminescence of individual NaYF ₄ : Yb ³⁺ , Er ³⁺ microcrystals. <i>AIP Advances</i> , 2017 , 7, 025009	1.5	2
173	Electromagnetic wave propagation in a rolled-up tubular microcavity. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2758-2770	7.1	16
172	Deterministic Self-Rolling of Ultrathin Nanocrystalline Diamond Nanomembranes for 3D Tubular/Helical Architecture. <i>Advanced Materials</i> , 2017 , 29, 1604572	24	44
171	Nanoconfined Atomic Layer Deposition of TiO ₂ /Pt Nanotubes: Toward Ultrasmall Highly Efficient Catalytic Nanorockets. <i>Advanced Functional Materials</i> , 2017 , 27, 1700598	15.6	46
170	Strain effect on intersubband transitions in rolled-up quantum well infrared photodetectors. <i>Journal of Semiconductors</i> , 2017 , 38, 054006	2.3	4
169	Diamond Nanomembranes: Deterministic Self-Rolling of Ultrathin Nanocrystalline Diamond Nanomembranes for 3D Tubular/Helical Architecture (Adv. Mater. 13/2017). <i>Advanced Materials</i> , 2017 , 29,	24	1
168	Tubular micro/nanoengines: boost motility in a tiny world. <i>Science Bulletin</i> , 2017 , 62, 525-527	10.6	14
167	Bendable Photodetector on Fibers Wrapped with Flexible Ultrathin Single Crystalline Silicon Nanomembranes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12171-12175	9.5	27
166	Fabrication and whispering gallery resonance of self-rolled up gallium nitride microcavities. <i>Thin Solid Films</i> , 2017 , 627, 77-81	2.2	9
165	Exceptional transport property in a rolled-up germanium tube. <i>Applied Physics Letters</i> , 2017 , 110, 112104	3.4	10
164	Influence of reactive surface groups on the deposition of oxides thin film by atomic layer deposition. <i>Surface and Coatings Technology</i> , 2017 , 329, 149-154	4.4	8
163	Self-assembled dielectric microsphere as light concentrators for ultrathin-silicon-based photodetectors with broadband enhancement. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017 , 214, 1700295	1.6	4
162	Temperature-dependent optical resonance in a thin-walled tubular oxide microcavity. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 498-502	3.6	5

161	ZnO Nanomembrane/Expanded Graphite Composite Synthesized by Atomic Layer Deposition as Binder-Free Anode for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38522-38529	9.5	44
160	Exceptional points in rolled-up tubular microcavities. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 095101	1.7	4
159	Dissolution of Monocrystalline Silicon Nanomembranes and Their Use as Encapsulation Layers and Electrical Interfaces in Water-Soluble Electronics. <i>ACS Nano</i> , 2017 , 11, 12562-12572	16.7	61
158	Rocket-inspired tubular catalytic microjets with grating-structured walls as guiding empennages. <i>Nanoscale</i> , 2017 , 9, 18590-18596	7.7	10
157	Thin, Transferred Layers of Silicon Dioxide and Silicon Nitride as Water and Ion Barriers for Implantable Flexible Electronic Systems. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700077	6.4	44
156	Artificial neuron synapse transistor based on silicon nanomembrane on plastic substrate. <i>Journal of Semiconductors</i> , 2017 , 38, 064006	2.3	5
155	Bioinspired Geometry-Switchable Janus Nanofibers for Eye-Readable H ₂ Sensors. <i>Advanced Functional Materials</i> , 2017 , 27, 1701618	15.6	28
154	Semi-analytical calculation of resonant modes in axially asymmetric microtube resonators. <i>Optics Communications</i> , 2017 , 386, 72-76	2	4
153	Wrinkled Single-Crystalline Germanium Nanomembranes for Stretchable Photodetectors. <i>IEEE Transactions on Electron Devices</i> , 2017 , 64, 1985-1990	2.9	16
152	Modulation of high quality factors in rolled-up microcavities. <i>Physical Review A</i> , 2016 , 94,	2.6	15
151	Mechanical Self-Assembly of a Strain-Engineered Flexible Layer: Wrinkling, Rolling, and Twisting. <i>Physical Review Applied</i> , 2016 , 5,	4.3	85
150	Self-rolling and light-trapping in flexible quantum well-embedded nanomembranes for wide-angle infrared photodetectors. <i>Science Advances</i> , 2016 , 2, e1600027	14.3	52
149	Self-Rolling of Oxide Nanomembranes and Resonance Coupling in Tubular Optical Microcavity. <i>Advanced Optical Materials</i> , 2016 , 4, 936-942	8.1	30
148	Atomic Layer Deposition of Pt Nanoparticles for Microengine with Promoted Catalytic Motion. <i>Nanoscale Research Letters</i> , 2016 , 11, 289	5	11
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