Oliver G Schmidt

List of Publications by Year in Descending Order

860 papers	37,317 citations	96 h-index	149 g-index
928 ext. papers	41,587 ext. citations	7.8 avg, IF	7.65 L-index

#	Paper	IF	Citations
860	Continuous monitoring of molecular biomarkers in microfluidic devices.. *Progress in Molecular Biology and Translational Science*, **2022**, 187, 295-333	4	
859	Highly enhanced reversibility of a Zn anode by in-situ texturing. *Energy Storage Materials*, **2022**, 47, 98-104	19.4	9
858	A new dimension for magnetosensitive e-skins: active matrix integrated micro-origami sensor arrays.. *Nature Communications*, **2022**, 13, 2121	17.4	3
857	Electronically integrated microcatheters based on self-assembling polymer films.. *Science Advances*, **2021**, 7, eabl5408	14.3	2
856	Creating Ferroic Micropatterns through Geometrical Transformation. *Nano Letters*, **2021**, 21, 9889-9895	11.5	1
855	Nanogap Enabled Trajectory Splitting and 3D Optical Coupling in Self-Assembled Microtubular Cavities. *ACS Nano*, **2021**,	16.7	1
854	A High Spatiotemporal Resolution Ultrasonic Ranging Technique With Multiplexing Capability. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-12	5.2	2
853	Self-sufficient self-oscillating microsystem driven by low power at low Reynolds numbers. *Science Advances*, **2021**, 7, eabj0767	14.3	0
852	Targeted Sub-Attomole Cancer Biomarker Detection Based on Phase Singularity 2D Nanomaterial-Enhanced Plasmonic Biosensor. *Nano-Micro Letters*, **2021**, 13, 96	19.5	12
851	Covalent Organic Frameworks for Efficient Energy Electrocatalysis: Rational Design and Progress. *Advanced Energy and Sustainability Research*, **2021**, 2, 2000090	1.6	11
850	Bone Formation: Rolled-Up Metal Oxide Microscaffolds to Study Early Bone Formation at Single Cell Resolution (Small 12/2021). *Small*, **2021**, 17, 2170053	11	
849	Recent Progress on Optoplasmonic Whispering-Gallery-Mode Microcavities. *Advanced Optical Materials*, **2021**, 9, 2100143	8.1	10
848	Battery-Everywhere Design Based on a Cathodeless Configuration with High Sustainability and Energy Density. *ACS Energy Letters*, **2021**, 6, 1859-1868	20.1	11
847	Digital Electrochemistry for On-Chip Heterogeneous Material Integration. *Advanced Materials*, **2021**, 33, e2101272	24	10
846	Mechanical Characterization of Compact Rolled-up Microtubes Using In Situ Scanning Electron Microscopy Nanoindentation and Finite Element Analysis. *Advanced Engineering Materials*, **2021**, 23, 2100412	3.5	1
845	Imperceptible Supercapacitors with High Area-Specific Capacitance. *Small*, **2021**, 17, e2101704	11	7
844	Micromotor-mediated sperm constrictions for improved swimming performance. *European Physical Journal E*, **2021**, 44, 67	1.5	0

843	A compact tube-in-tube microsized lithium-ion battery as an independent microelectric power supply unit. *Cell Reports Physical Science*, **2021**, 2, 100429	6.1	3
842	Topological Defect Engineering and PT Symmetry in Non-Hermitian Electrical Circuits. *Physical Review Letters*, **2021**, 126, 215302	7.4	16
841	Dual-Redox-Sites Enable Two-Dimensional Conjugated Metal-Organic Frameworks with Large Pseudocapacitance and Wide Potential Window. *Journal of the American Chemical Society*, **2021**, 143, 10168-10176	16.4	20
840	On-Chip Integration of a Covalent Organic Framework-Based Catalyst into a Miniaturized Zn/Air Battery with High Energy Density. *ACS Energy Letters*, **2021**, 6, 2491-2498	20.1	17
839	Self-Assembled Rolled-Up Microcoils for nL Microfluidics NMR Spectroscopy. *Advanced Materials Technologies*, **2021**, 6, 2000679	6.8	3
838	Tiny robots and sensors need tiny batteries - here's how to do it. *Nature*, **2021**, 589, 195-197	50.4	31
837	Shape-Controlled Flexible Microelectronics Facilitated by Integrated Sensors and Conductive Polymer Actuators. *Advanced Intelligent Systems*, **2021**, 3, 2000238	6	8
836	A Patternable and In Situ Formed Polymeric Zinc Blanket for a Reversible Zinc Anode in a Skin-Mountable Microbattery. *Advanced Materials*, **2021**, 33, e2007497	24	60
835	Impedimetric Microfluidic Sensor-in-a-Tube for Label-Free Immune Cell Analysis. *Small*, **2021**, 17, e2002549	11	9
834	Rolled-Up Metal Oxide Microscaffolds to Study Early Bone Formation at Single Cell Resolution. *Small*, **2021**, 17, e2005527	11	2
833	Switching Propulsion Mechanisms of Tubular Catalytic Micromotors. *Small*, **2021**, 17, e2006449	11	9
832	Maximally entangled and gigahertz-clocked on-demand photon pair source. *Physical Review B*, **2021**, 103,	3.3	3
831	3D and 4D lithography of untethered microrobots. *Progress in Materials Science*, **2021**, 120, 100808	42.2	13
830	Digital Electrochemistry: Digital Electrochemistry for On-Chip Heterogeneous Material Integration (Adv. Mater. 26/2021). *Advanced Materials*, **2021**, 33, 2170204	24	
829	Dual Ultrasound and Photoacoustic Tracking of Magnetically Driven Micromotors: From In Vitro to In Vivo. *Advanced Healthcare Materials*, **2021**, 10, e2101077	10.1	7
828	Heralded preparation of spin qubits in droplet-etched GaAs quantum dots using quasiresonant excitation. *Physical Review B*, **2021**, 104,	3.3	1
827	Nano-biosupercapacitors enable autarkic sensor operation in blood. *Nature Communications*, **2021**, 12, 4967	17.4	12
826	The normalized limit of detection in NMR spectroscopy. *Journal of Magnetic Resonance*, **2021**, 332, 107037	2	2

825	Experimental optimization of the fiber coupling efficiency of GaAs quantum dot-based photon sources. *Applied Physics Letters*, **2021**, 119, 244003	3.4	
824	Nano energy for miniaturized systems. *Nano Materials Science*, **2020**,	10.2	2
823	Engineering microrobots for targeted cancer therapies from a medical perspective. *Nature Communications*, **2020**, 11, 5618	17.4	89
822	Noninvasive Zygote Transfer: A Rotating Spiral Micromotor for Noninvasive Zygote Transfer (Adv. Sci. 18/2020). *Advanced Science*, **2020**, 7, 2070102	13.6	78
821	Recent developments of stamped planar micro-supercapacitors: Materials, fabrication and perspectives. *Nano Materials Science*, **2020**,	10.2	2
820	Advanced architecture designs towards high-performance 3D microbatteries. *Nano Materials Science*, **2020**,	10.2	5
819	Magnetic Micromotors for Multiple Motile Sperm Cells Capture, Transport, and Enzymatic Release. *Angewandte Chemie*, **2020**, 132, 15139-15147	3.6	8
818	Highly Symmetric and Extremely Compact Multiple Winding Microtubes by a Dry Rolling Mechanism. *Advanced Materials Interfaces*, **2020**, 7, 1902048	4.6	6
817	Sperm-Driven Micromotors Moving in Oviduct Fluid and Viscoelastic Media. *Small*, **2020**, 16, e2000213	11	29
816	Magnetic Micromotors for Multiple Motile Sperm Cells Capture, Transport, and Enzymatic Release. *Angewandte Chemie - International Edition*, **2020**, 59, 15029-15037	16.4	23
815	Silicon-Based Integrated Label-Free Optofluidic Biosensors: Latest Advances and Roadmap. *Advanced Materials Technologies*, **2020**, 5, 1901138	6.8	22
814	A flexible microsystem capable of controlled motion and actuation by wireless power transfer. *Nature Electronics*, **2020**, 3, 172-180	28.4	42
813	IRONSperm: Sperm-templated soft magnetic microrobots. *Science Advances*, **2020**, 6, eaba5855	14.3	58
812	Sperm Micromotors for Cargo Delivery through Flowing Blood. *ACS Nano*, **2020**, 14, 2982-2993	16.7	92
811	Wasserdynamik auf Oxidoberfl□chen in Echtzeit. *Physik in Unserer Zeit*, **2020**, 51, 7-8	0.1	
810	Imperceptible magnetic sensor matrix system integrated with organic driver and amplifier circuits. *Science Advances*, **2020**, 6, eaay6094	14.3	39
809	PVD customized 2D porous amorphous silicon nanoflakes percolated with carbon nanotubes for high areal capacity lithium ion batteries. *Journal of Materials Chemistry A*, **2020**, 8, 4836-4843	13	12
808	Towards high-performance microscale batteries: Configurations and optimization of electrode materials by in-situ analytical platforms. *Energy Storage Materials*, **2020**, 29, 17-41	19.4	19

807	Increased static dielectric constant in ZnMnO and ZnCoO thin films with bound magnetic polarons. *Scientific Reports*, **2020**, 10, 6698	4.9	7
806	Magnetic Field-Assisted Self-Wound 3-D Nanomembrane Capacitors Bridge the Gap Between MLCC and Trench Capacitor Technologies. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2020**, 10, 1251-1254	1.7	1
805	Quantum dot-based broadband optical antenna for efficient extraction of single photons in the telecom O-band. *Optics Express*, **2020**, 28, 19457-19468	3.3	6
804	Dynamic tuning of photon-plasmon interaction based on three-dimensionally confined microtube cavities. *Optics Letters*, **2020**, 45, 5720-5723	3	1
803	A General and Programmable Synthesis of Graphene-Based Composite Aerogels by a Melamine-Sponge-Templated Hydrothermal Process. *CCS Chemistry*, **2020**, 2, 1-12	7.2	8
802	Antifreezing Hydrogel with High Zinc Reversibility for Flexible and Durable Aqueous Batteries by Cooperative Hydrated Cations. *Advanced Functional Materials*, **2020**, 30, 1907218	15.6	114
801	3D Self-Assembled Microelectronic Devices: Concepts, Materials, Applications. *Advanced Materials*, **2020**, 32, e1902994	24	41
800	On-chip 3D interdigital micro-supercapacitors with ultrahigh areal energy density. *Energy Storage Materials*, **2020**, 27, 17-24	19.4	30
799	A review on stretchable magnetic field sensorics. *Journal Physics D: Applied Physics*, **2020**, 53, 083002	3	23
798	Advanced Hybrid GaN/ZnO Nanoarchitectured Microtubes for Fluorescent Micromotors Driven by UV Light. *Small*, **2020**, 16, e1905141	11	9
797	Packaging of Ultrathin Flexible Magnetic Field Sensors With Polyimide Interposer and Integration in an Active Magnetic Bearing. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2020**, 10, 39-43	1.7	5
796	Integrated molecular diode as 10 MHz half-wave rectifier based on an organic nanostructure heterojunction. *Nature Communications*, **2020**, 11, 3592	17.4	9
795	A Rotating Spiral Micromotor for Noninvasive Zygote Transfer. *Advanced Science*, **2020**, 7, 2000843	13.6	25
794	Wafer-Scale High-Quality Microtubular Devices Fabricated via Dry-Etching for Optical and Microelectronic Applications. *Advanced Materials*, **2020**, 32, e2003252	24	10
793	Flexible Surface-Enhanced Raman Scattering Chip: A Universal Platform for Real-Time Interfacial Molecular Analysis with Femtomolar Sensitivity. *ACS Applied Materials & Interfaces*, **2020**,	9.5	17
792	Stress-Actuated Spiral Microelectrode for High-Performance Lithium-Ion Microbatteries. *Small*, **2020**, 16, e2002410	11	5
791	Stamping Fabrication of Flexible Planar Micro-Supercapacitors Using Porous Graphene Inks. *Advanced Science*, **2020**, 7, 2001561	13.6	23
790	Decoding of Oxygen Network Distortion in a Layered High-Rate Anode by Investigation of a Single Microelectrode. *ACS Nano*, **2020**, 14, 11753-11764	16.7	7

789	Medical Imaging of Microrobots: Toward Applications. *ACS Nano*, **2020**, 14, 10865-10893	16.7	57
788	Microelectronic Devices: Stress-Actuated Spiral Microelectrode for High-Performance Lithium-Ion Microbatteries (Small 35/2020). *Small*, **2020**, 16, 2070196	11	
787	Human spermbots for patient-representative 3D ovarian cancer cell treatment. *Nanoscale*, **2020**, 12, 20467-20481	7.7	8
786	Topological transitions in superconductor nanomembranes under a strong transport current. *Communications Physics*, **2020**, 3,	5.4	7
785	Large-range frequency tuning of a narrow-linewidth quantum emitter. *Applied Physics Letters*, **2020**, 117, 083106	3.4	5
784	Selective Out-of-Plane Optical Coupling between Vertical and Planar Microrings in a 3D Configuration. *Advanced Optical Materials*, **2020**, 8, 2000782	8.1	0
783	Self-Assemby: Wafer-Scale High-Quality Microtubular Devices Fabricated via Dry-Etching for Optical and Microelectronic Applications (Adv. Mater. 37/2020). *Advanced Materials*, **2020**, 32, 2070281	24	
782	Steering Directional Light Emission and Mode Chirality through Postshaping of Cavity Geometry. *Laser and Photonics Reviews*, **2020**, 14, 2000118	8.3	3
781	Winding Microtubes: Highly Symmetric and Extremely Compact Multiple Winding Microtubes by a Dry Rolling Mechanism (Adv. Mater. Interfaces 13/2020). *Advanced Materials Interfaces*, **2020**, 7, 2070074	4.6	
780	3D Microelectronics: 3D Self-Assembled Microelectronic Devices: Concepts, Materials, Applications (Adv. Mater. 15/2020). *Advanced Materials*, **2020**, 32, 2070120	24	1
779	Microscale Organic Transistors: Fully Integrated Microscale Quasi-2D Crystalline Molecular Field-Effect Transistors (Adv. Funct. Mater. 36/2019). *Advanced Functional Materials*, **2019**, 29, 1970250	15.6	
778	Correlations between optical properties and Voronoi-cell area of quantum dots. *Physical Review B*, **2019**, 100,	3.3	8
777	Water nanostructure formation on oxide probed in situ by optical resonances. *Science Advances*, **2019**, 5, eaax6973	14.3	11
776	Self-Assembled Flexible and Integratable 3D Microtubular Asymmetric Supercapacitors. *Advanced Science*, **2019**, 6, 1901051	13.6	24
775	Magnetooptical response of permalloy multilayer structures on different substrate in the IR□VIS□UV spectral range. *Journal Physics D: Applied Physics*, **2019**, 52, 485002	3	1
774	Tuning emission energy and fine structure splitting in quantum dots emitting in the telecom O-band. *AIP Advances*, **2019**, 9, 085112	1.5	5
773	Deterministic Yet Flexible Directional Light Emission from Spiral Nanomembrane Cavities. *ACS Photonics*, **2019**, 6, 2537-2544	6.3	10
772	Microwave Radiation Detection with an Ultrathin Free-Standing Superconducting Niobium Nanohelix. *ACS Nano*, **2019**, 13, 2948-2955	16.7	19

771	Three-Dimensional Microtubular Devices for Lab-on-a-Chip Sensing Applications. *ACS Sensors*, **2019**, 4, 1476-1496	9.2	27
770	Fully Integrated Microscale Quasi-2D Crystalline Molecular Field-Effect Transistors. *Advanced Functional Materials*, **2019**, 29, 1903738	15.6	8
769	Phonon-Assisted Electro-Optical Switches and Logic Gates Based on Semiconductor Nanostructures. *Advanced Materials*, **2019**, 31, e1901263	24	13
768	Tunable large field magnetoconductance of ZnO, ZnMnO, and ZnCoO thin films. *Journal of Applied Physics*, **2019**, 125, 215305	2.5	3
767	Nanoscale Parallel Circuitry Based on Interpenetrating Conductive Assembly for Flexible and High-Power Zinc Ion Battery. *Advanced Functional Materials*, **2019**, 29, 1901336	15.6	92
766	Active tuning of the g-tensor in InGaAs/GaAs quantum dots via strain. *Physical Review B*, **2019**, 99,	3.3	8
765	Artificial electrode interfaces enable stable operation of freestanding anodes for high-performance flexible lithium ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 14097-14107	13	18
764	Thickness-Dependent Electronic Transport in Ultrathin, Single Crystalline Silicon Nanomembranes. *Advanced Electronic Materials*, **2019**, 5, 1900232	6.4	7
763	Shapeable Materials: Shapeable Material Technologies for 3D Self-Assembly of Mesoscale Electronics (Adv. Mater. Technol. 4/2019). *Advanced Materials Technologies*, **2019**, 4, 1970023	6.8	
762	Shapeable Material Technologies for 3D Self-Assembly of Mesoscale Electronics. *Advanced Materials Technologies*, **2019**, 4, 1800692	6.8	32
761	Graphene-Activated Optoplasmonic Nanomembrane Cavities for Photodegradation Detection. *ACS Applied Materials & Interfaces*, **2019**, 11, 15891-15897	9.5	25
760	Magnetization reversal and local switching fields of ferromagnetic Co/Pd microtubes with radial magnetization. *Physical Review B*, **2019**, 99,	3.3	1
759	Voltage Induced by Superconducting Vortices in Open Nanostructured Microtubes. *Physica Status Solidi - Rapid Research Letters*, **2019**, 13, 1800251	2.5	5
758	Real-Time Optoacoustic Tracking of Single Moving Micro-objects in Deep Phantom and Ex Vivo Tissues. *Nano Letters*, **2019**, 19, 6612-6620	11.5	39
757	High SERS Sensitivity Enabled by Synergistically Enhanced Photoinduced Charge Transfer in Amorphous Nonstoichiometric Semiconducting Films. *Advanced Materials Interfaces*, **2019**, 6, 1901133	4.6	22
756	Magnetic origami creates high performance micro devices. *Nature Communications*, **2019**, 10, 3013	17.4	39
755	Modeling of Spermbots in a Viscous Colloidal Suspension. *Advanced Theory and Simulations*, **2019**, 2, 1900072	3.5	6
754	Self-Assembly of Integrated Tubular Microsupercapacitors with Improved Electrochemical Performance and Self-Protective Function. *ACS Nano*, **2019**, 13, 8067-8075	16.7	41

753	Entanglement Swapping with Semiconductor-Generated Photons Violates Bell's Inequality. *Physical Review Letters*, **2019**, 123, 160502	7.4	35
752	Transport Properties in Co-doped ZnO/YMnO3 n-p Heterojunctions. *Materials Today: Proceedings*, **2019**, 14, 43-46	1.4	
751	Slow and fast single photons from a quantum dot interacting with the excited state hyperfine structure of the Cesium D-line. *Scientific Reports*, **2019**, 9, 13728	4.9	6
750	Electroforming-free Memristors for Hardware Security Primitives **2019**,		2
749	A Novel Large-Scale, Multilayer, and Facilely Aligned Micropatterning Technique Based on Flexible and Reusable SU-8 Shadow Masks. *Advanced Materials Technologies*, **2019**, 4, 1900519	6.8	2
748	Optoacoustic detection of 3D microstructures in deep tissue-mimicking phantoms **2019**,		1
747	Three-Dimensional Superconducting Nanohelices Grown by He-Focused-Ion-Beam Direct Writing. *Nano Letters*, **2019**, 19, 8597-8604	11.5	28
746	A frequency-tunable nanomembrane mechanical oscillator with embedded quantum dots. *Applied Physics Letters*, **2019**, 115, 181902	3.4	2
745	Real-Time IR Tracking of Single Reflective Micromotors through Scattering Tissues. *Advanced Functional Materials*, **2019**, 29, 1905272	15.6	26
744	Sperm-hybrid micromotors: on-board assistance for nature's bustling swimmers. *Reproduction*, **2019**,	3.8	11
743	Elucidating the reaction kinetics of lithium–sulfur batteries by operando XRD based on an open-hollow S@MnO2 cathode. *Journal of Materials Chemistry A*, **2019**, 7, 6651-6658	13	28
742	Self-assembly of highly sensitive 3D magnetic field vector angular encoders. *Science Advances*, **2019**, 5, eaay7459	14.3	17
741	Blood platelet enrichment in mass-producible surface acoustic wave (SAW) driven microfluidic chips. *Lab on A Chip*, **2019**, 19, 4043-4051	7.2	16
740	Zn-Ion Hybrid Micro-Supercapacitors with Ultrahigh Areal Energy Density and Long-Term Durability. *Advanced Materials*, **2019**, 31, e1806005	24	168
739	Surface-Enhanced Raman Scattering Enabled by Metal-Coated Dielectric Microspheres. *Physica Status Solidi (B): Basic Research*, **2019**, 256, 1800379	1.3	5
738	Nanoporous Copper Pattern Fabricated by Electron Beam Irradiation on Cu3N Film for SERS Application. *Physica Status Solidi (B): Basic Research*, **2019**, 256, 1800378	1.3	6
737	3D Ag/NiO-Fe2O3/Ag nanomembranes as carbon-free cathode materials for Li-O2 batteries. *Energy Storage Materials*, **2019**, 16, 155-162	19.4	34
736	Rationally engineered amorphous TiOx/Si/TiOx nanomembrane as an anode material for high energy lithium ion battery. *Energy Storage Materials*, **2018**, 12, 23-29	19.4	29

735	Coupling a single solid-state quantum emitter to an array of resonant plasmonic antennas. *Scientific Reports*, **2018**, 8, 3415	4.9	12
734	Rolled-up SnO2 nanomembranes: A new platform for efficient gas sensors. *Sensors and Actuators B: Chemical*, **2018**, 264, 92-99	8.5	45
733	Thermoswitchable on-chip microsupercapacitors: one potential self-protection solution for electronic devices. *Energy and Environmental Science*, **2018**, 11, 1717-1722	35.4	55
732	Efficient Sodium Storage in Rolled-Up Amorphous Si Nanomembranes. *Advanced Materials*, **2018**, 30, e1706637	24	57
731	External Strain Enabled Post-Modification of Nanomembrane-Based Optical Microtube Cavities. *ACS Photonics*, **2018**, 5, 2060-2067	6.3	11
730	Molecular Nanoelectronics: Direct Imaging of Space-Charge Accumulation and Work Function Characteristics of Functional Organic Interfaces (Small 12/2018). *Small*, **2018**, 14, 1870051	11	1
729	Biobatteries: Ultralong-Discharge-Time Biobattery Based on Immobilized Enzymes in Bilayer Rolled-Up Enzymatic Nanomembranes (Small 13/2018). *Small*, **2018**, 14, 1870058	11	2
728	In Situ Generation of Plasmonic Nanoparticles for Manipulating Photon-Plasmon Coupling in Microtube Cavities. *ACS Nano*, **2018**, 12, 3726-3732	16.7	15
727	Direct Imaging of Space-Charge Accumulation and Work Function Characteristics of Functional Organic Interfaces. *Small*, **2018**, 14, e1703647	11	7
726	Neutral, charged excitons and biexcitons in strain-free and asymmetric GaAs quantum dots fabricated by local droplet etching. *Journal of Luminescence*, **2018**, 197, 47-55	3.8	1
725	Multiharmonic Frequency-Chirped Transducers for Surface-Acoustic-Wave Optomechanics. *Physical Review Applied*, **2018**, 9,	4.3	14
724	VO /TiN Plasmonic Thermochromic Smart Coatings for Room-Temperature Applications. *Advanced Materials*, **2018**, 30, 1705421	24	131
723	Ultralong-Discharge-Time Biobattery Based on Immobilized Enzymes in Bilayer Rolled-Up Enzymatic Nanomembranes. *Small*, **2018**, 14, e1704221	11	9
722	Magnetosensitive e-skins with directional perception for augmented reality. *Science Advances*, **2018**, 4, eaao2623	14.3	64
721	Boosting the Photoluminescence of Monolayer MoS2 on High-Density Nanodimer Arrays with Sub-10 nm Gap. *Advanced Optical Materials*, **2018**, 6, 1700984	8.1	58
720	Microsystems for Single-Cell Analysis. *Advanced Biology*, **2018**, 2, 1700193	3.5	16
719	Self-Propelled Micro/Nanoparticle Motors. *Particle and Particle Systems Characterization*, **2018**, 35, 1700382	3.2	53
718	Micro- and nano-motors: the new generation of drug carriers. *Therapeutic Delivery*, **2018**, 9, 303-316	3.8	117

717	Entangled-photons generation with quantum dots. *Chinese Physics B*, **2018**, 27, 020307	1.2	2
716	Highly-efficient extraction of entangled photons from quantum dots using a broadband optical antenna. *Nature Communications*, **2018**, 9, 2994	17.4	90
715	Uniaxial stress flips the natural quantization axis of a quantum dot for integrated quantum photonics. *Nature Communications*, **2018**, 9, 3058	17.4	27
714	Rolled-Up Self-Assembly of Compact Magnetic Inductors, Transformers, and Resonators. *Advanced Electronic Materials*, **2018**, 4, 1800298	6.4	24
713	Pairing of Luminescent Switch with Electrochromism for Quasi-Solid-State Dual-Function Smart Windows. *ACS Applied Materials & Interfaces*, **2018**, 10, 31697-31703	9.5	23
712	Electronic and Optical Properties of 2D Materials Constructed from Light Atoms. *Advanced Materials*, **2018**, 30, e1801600	24	24
711	Sperm-Hybrid Micromotor for Targeted Drug Delivery. *ACS Nano*, **2018**, 12, 327-337	16.7	240
710	Strong Coupling in a Photonic Molecule Formed by Trapping a Microsphere in a Microtube Cavity. *Advanced Optical Materials*, **2018**, 6, 1700842	8.1	16
709	Swimming Microrobots: Soft, Reconfigurable, and Smart. *Advanced Functional Materials*, **2018**, 28, 1707228	12.6	103
708	Field-Driven Hopping Transport of Oxygen Vacancies in Memristive Oxide Switches with Interface-Mediated Resistive Switching. *Physical Review Applied*, **2018**, 10,	4.3	17
707	Recent Progress in Micro-Supercapacitor Design, Integration, and Functionalization. *Small Methods*, **2018**, 3, 1800367	12.8	71
706	Topological phase transition in a stretchable photonic crystal. *Physical Review A*, **2018**, 98,	2.6	10
705	Multiplexing and tuning of a double set of resonant modes in optical microtube cavities monolithically integrated on a photonic chip. *Optics Letters*, **2018**, 43, 4703-4706	3	4
704	Frequency feedback for two-photon interference from separate quantum dots. *Physical Review B*, **2018**, 98,	3.3	16
703	Curved Nanomembrane-Based Concentric Ring Cavities for Supermode Hybridization. *Nano Letters*, **2018**, 18, 7261-7267	11.5	10
702	Ultraviolet transmittance of SU-8 photoresist and its importance in multi-wavelength photolithography. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics* , **2018**, 36, 051601	1.3	6
701	Optical Berry Phase in Micro/Nano-rings. *Nanoscience and Technology*, **2018**, 33-55	0.6	
700	On-demand semiconductor source of 780-nm single photons with controlled temporal wave packets. *Physical Review B*, **2018**, 97,	3.3	10

699	Size and time dependent internalization of label-free nano-graphene oxide in human macrophages. *Nano Research*, **2017**, 10, 1980-1995	10	12
698	Ultra-thin all-solid-state micro-supercapacitors with exceptional performance and device flexibility. *Nano Energy*, **2017**, 33, 387-392	17.1	28
697	A Flexible PMN-PT Ribbon-Based Piezoelectric-Pyroelectric Hybrid Generator for Human-Activity Energy Harvesting and Monitoring. *Advanced Electronic Materials*, **2017**, 3, 1600540	6.4	49
696	Topology induced anomalous plasmon modes in metallic MÖbius nanorings. *Laser and Photonics Reviews*, **2017**, 11, 1600219	8.3	8
695	Silver Nanocap Enabled Conversion and Tuning of Hybrid PhotonPlasmon Modes in Microtubular Cavities. *ACS Photonics*, **2017**, 4, 736-740	6.3	11
694	Highly dispersed metal and oxide nanoparticles on ultra-polar carbon as efficient cathode materials for LiO2 batteries. *Journal of Materials Chemistry A*, **2017**, 5, 6284-6291	13	25
693	Independent tuning of excitonic emission energy and decay time in single semiconductor quantum dots. *Applied Physics Letters*, **2017**, 110, 151102	3.4	10
692	Evidence for self-organized formation of logarithmic spirals during explosive crystallization of amorphous Ge:Mn layers. *Journal of Applied Physics*, **2017**, 121, 184901	2.5	1
691	Magnetic sensing platform technologies for biomedical applications. *Lab on A Chip*, **2017**, 17, 1884-1912	7.2	71
690	Hierarchical nanoflowers assembled from MoS2/polyaniline sandwiched nanosheets for high-performance supercapacitors. *Electrochimica Acta*, **2017**, 243, 98-104	6.7	44
689	On-Chip Single-Plasmon Nanocircuit Driven by a Self-Assembled Quantum Dot. *Nano Letters*, **2017**, 17, 4291-4296	11.5	22
688	Solid-state ensemble of highly entangled photon sources at rubidium atomic transitions. *Nature Communications*, **2017**, 8, 15501	17.4	65
687	Highly indistinguishable and strongly entangled photons from symmetric GaAs quantum dots. *Nature Communications*, **2017**, 8, 15506	17.4	138
686	Thouless length and valley degeneracy factor of ZnMnO thin films with anisotropic, highly conductive surface layers. *Journal of Applied Physics*, **2017**, 121, 225105	2.5	2
685	Weakly-coupled quasi-1D helical modes in disordered 3D topological insulator quantum wires. *Scientific Reports*, **2017**, 7, 45276	4.9	15
684	Addressable and Color-Tunable Piezophotonic Light-Emitting Stripes. *Advanced Materials*, **2017**, 29, 1605165	21	44
683	Electrically-Pumped Wavelength-Tunable GaAs Quantum Dots Interfaced with Rubidium Atoms. *ACS Photonics*, **2017**, 4, 868-872	6.3	23
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