

Oliver G Schmidt

List of Publications by Citations

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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.

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	Nanotechnology. Thin solid films roll up into nanotubes. <i>Nature</i> , 2001 , 410, 168	50.4	830
859	Catalytic microtubular jet engines self-propelled by accumulated gas bubbles. <i>Small</i> , 2009 , 5, 1688-92	11	548
858	Versatile Approach for Integrative and Functionalized Tubes by Strain Engineering of Nanomembranes on Polymers. <i>Advanced Materials</i> , 2008 , 20, 4085-4090	24	537
857	Hierarchical MoS ₂ /polyaniline nanowires with excellent electrochemical performance for lithium-ion batteries. <i>Advanced Materials</i> , 2013 , 25, 1180-4	24	529
856	Rolled-up nanotech on polymers: from basic perception to self-propelled catalytic microengines. <i>Chemical Society Reviews</i> , 2011 , 40, 2109-19	58.5	515
855	Direct formation of vertically coupled quantum dots in Stranski-Krastanow growth. <i>Physical Review B</i> , 1996 , 54, 8743-8750	3.3	452
854	Self-propelled micromotors for cleaning polluted water. <i>ACS Nano</i> , 2013 , 7, 9611-20	16.7	414
853	Magnetic Control of Tubular Catalytic Microbots for the Transport, Assembly, and Delivery of Micro-objects. <i>Advanced Functional Materials</i> , 2010 , 20, 2430-2435	15.6	344
852	Self-propelled nanotools. <i>ACS Nano</i> , 2012 , 6, 1751-6	16.7	333
851	Catalytic Janus motors on microfluidic chip: deterministic motion for targeted cargo delivery. <i>ACS Nano</i> , 2012 , 6, 3383-9	16.7	320
850	Cellular Cargo Delivery: Toward Assisted Fertilization by Sperm-Carrying Micromotors. <i>Nano Letters</i> , 2016 , 16, 555-61	11.5	302
849	Precise control of thermal conductivity at the nanoscale through individual phonon-scattering barriers. <i>Nature Materials</i> , 2010 , 9, 491-5	27	281
848	On chip, all solid-state and flexible micro-supercapacitors with high performance based on MnOx/Au multilayers. <i>Energy and Environmental Science</i> , 2013 , 6, 3218	35.4	279
847	Stretchable graphene: a close look at fundamental parameters through biaxial straining. <i>Nano Letters</i> , 2010 , 10, 3453-8	11.5	275
846	Development of a sperm-flagella driven micro-bio-robot. <i>Advanced Materials</i> , 2013 , 25, 6581-8	24	269
845	Cu-Si nanocable arrays as high-rate anode materials for lithium-ion batteries. <i>Advanced Materials</i> , 2011 , 23, 4415-20	24	266
844	Gain and differential gain of single layer InAs/GaAs quantum dot injection lasers. <i>Applied Physics Letters</i> , 1996 , 69, 1226-1228	3.4	266

843	Three-Dimensionally Curved NiO Nanomembranes as Ultrahigh Rate Capability Anodes for Li-Ion Batteries with Long Cycle Lifetimes. <i>Advanced Energy Materials</i> , 2014 , 4, 1300912	21.8	240
842	Multifunctional Ni/NiO hybrid nanomembranes as anode materials for high-rate Li-ion batteries. <i>Nano Energy</i> , 2014 , 9, 168-175	17.1	240
841	Sperm-Hybrid Micromotor for Targeted Drug Delivery. <i>ACS Nano</i> , 2018 , 12, 327-337	16.7	240
840	Dynamics of biocatalytic microengines mediated by variable friction control. <i>Journal of the American Chemical Society</i> , 2010 , 132, 13144-5	16.4	219
839	Controlled manipulation of multiple cells using catalytic microbots. <i>Chemical Communications</i> , 2011 , 47, 698-700	5.8	216
838	Origami MEMS and NEMS. <i>MRS Bulletin</i> , 2016 , 41, 123-129	3.2	211
837	Transport of cargo by catalytic Janus micro-motors. <i>Soft Matter</i> , 2012 , 8, 48-52	3.6	205
836	Multiple layers of self-assembled Ge/Si islands: Photoluminescence, strain fields, material interdiffusion, and island formation. <i>Physical Review B</i> , 2000 , 61, 13721-13729	3.3	198
835	Microbots swimming in the flowing streams of microfluidic channels. <i>Journal of the American Chemical Society</i> , 2011 , 133, 701-3	16.4	195
834	Superfast motion of catalytic microjet engines at physiological temperature. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14860-3	16.4	193
833	Magnetism in curved geometries. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 363001	3	192
832	Triggered polarization-entangled photon pairs from a single quantum dot up to 30 K. <i>New Journal of Physics</i> , 2007 , 9, 315-315	2.9	191
831	Ordered arrays of quantum dots: Formation, electronic spectra, relaxation phenomena, lasing. <i>Solid-State Electronics</i> , 1996 , 40, 785-798	1.7	186
830	Rolled-up magnetic microdrillers: towards remotely controlled minimally invasive surgery. <i>Nanoscale</i> , 2013 , 5, 1294-1297	7.7	181
829	Medical microbots need better imaging and control. <i>Nature</i> , 2017 , 545, 406-408	50.4	168
828	Zn-Ion Hybrid Micro-Supercapacitors with Ultrahigh Areal Energy Density and Long-Term Durability. <i>Advanced Materials</i> , 2019 , 31, e1806005	24	168
827	Naturally rolled-up C/Si/C trilayer nanomembranes as stable anodes for lithium-ion batteries with remarkable cycling performance. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2326-30	16.4	167
826	Formation of carbon-induced germanium dots. <i>Applied Physics Letters</i> , 1997 , 71, 2340-2342	3.4	164

825	Wearable magnetic field sensors for flexible electronics. <i>Advanced Materials</i> , 2015 , 27, 1274-80	24	162
824	Medibots: Dual-Action Biogenic Microdaggers for Single-Cell Surgery and Drug Release. <i>Advanced Materials</i> , 2016 , 28, 832-7	24	156
823	Modified Stranski-Krastanov growth in stacked layers of self-assembled islands. <i>Applied Physics Letters</i> , 1999 , 74, 1272-1274	3-4	155
822	Formation of lateral quantum dot molecules around self-assembled nanoholes. <i>Applied Physics Letters</i> , 2003 , 82, 2892-2894	3-4	154
821	Engineered nanomembranes for smart energy storage devices. <i>Chemical Society Reviews</i> , 2016 , 45, 1308-305	5-6	152
820	Tuning the exciton binding energies in single self-assembled InGaAs/GaAs quantum dots by piezoelectric-induced biaxial stress. <i>Physical Review Letters</i> , 2010 , 104, 067405	7-4	150
819	Purely antiferromagnetic magnetoelectric random access memory. <i>Nature Communications</i> , 2017 , 8, 13985	17-4	149
818	High-defect hydrophilic carbon cuboids anchored with Co/CoO nanoparticles as highly efficient and ultra-stable lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10166-10173	13	149
817	Advanced quantum dot configurations. <i>Reports on Progress in Physics</i> , 2009 , 72, 046502	14-4	149
816	Imperceptible magnetoelectronics. <i>Nature Communications</i> , 2015 , 6, 6080	17-4	148
815	Fuel-free locomotion of Janus motors: magnetically induced thermophoresis. <i>ACS Nano</i> , 2013 , 7, 1360-7	16-7	147
814	InAs/GaAs Quantum Pyramid Lasers: In Situ Growth, Radiative Lifetimes and Polarization Properties. <i>Japanese Journal of Applied Physics</i> , 1996 , 35, 1311-1319	1-4	144
813	Self-assembled ultra-compact energy storage elements based on hybrid nanomembranes. <i>Nano Letters</i> , 2010 , 10, 2506-10	11-5	140
812	Highly indistinguishable and strongly entangled photons from symmetric GaAs quantum dots. <i>Nature Communications</i> , 2017 , 8, 15506	17-4	138
811	Quantum light emission of two lateral tunnel-coupled (In,Ga)As/GaAs quantum dots controlled by a tunable static electric field. <i>Physical Review Letters</i> , 2006 , 96, 137401	7-4	138
810	Universal recovery of the energy-level degeneracy of bright excitons in InGaAs quantum dots without a structure symmetry. <i>Physical Review Letters</i> , 2012 , 109, 147401	7-4	136
809	Evidence for triplet superconductivity in a superconductor-ferromagnet spin valve. <i>Physical Review Letters</i> , 2012 , 109, 057005	7-4	136
808	Long-range ordered lines of self-assembled Ge islands on a flat Si (001) surface. <i>Applied Physics Letters</i> , 2000 , 77, 4139-4141	3-4	135

807	Interplay between thermodynamics and kinetics in the capping of InAs/GaAs(001) quantum dots. <i>Physical Review Letters</i> , 2006 , 96, 226106	7.4	133
806	Stretchable magnetoelectronics. <i>Nano Letters</i> , 2011 , 11, 2522-6	11.5	132
805	VO /TiN Plasmonic ThermoChromic Smart Coatings for Room-Temperature Applications. <i>Advanced Materials</i> , 2018 , 30, 1705421	24	131
804	Photoluminescence study of the initial stages of island formation for Ge pyramids/domes and hut clusters on Si(001). <i>Applied Physics Letters</i> , 1999 , 75, 1905-1907	3.4	131
803	Light-controlled propulsion of catalytic microengines. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10875-8	16.4	130
802	Hybrid superconductor-semiconductor devices made from self-assembled SiGe nanocrystals on silicon. <i>Nature Nanotechnology</i> , 2010 , 5, 458-64	28.7	129
801	Chemotactic behavior of catalytic motors in microfluidic channels. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5552-6	16.4	128
800	Stimulus-Responsive Micro-Supercapacitors with Ultrahigh Energy Density and Reversible Electrochromic Window. <i>Advanced Materials</i> , 2017 , 29, 1604491	24	122
799	Hierarchically designed SiOx/SiOy bilayer nanomembranes as stable anodes for lithium ion batteries. <i>Advanced Materials</i> , 2014 , 26, 4527-32	24	122
798	Sandwich nanoarchitecture of Si/reduced graphene oxide bilayer nanomembranes for Li-ion batteries with long cycle life. <i>ACS Nano</i> , 2015 , 9, 1198-205	16.7	121
797	Stimuli-responsive microjets with reconfigurable shape. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2673-7	16.4	120
796	Wastewater Mediated Activation of Micromotors for Efficient Water Cleaning. <i>Nano Letters</i> , 2016 , 16, 817-21	11.5	119
795	Shapeable magnetoelectronics. <i>Applied Physics Reviews</i> , 2016 , 3, 011101	17.3	119
794	Micro- and nano-motors: the new generation of drug carriers. <i>Therapeutic Delivery</i> , 2018 , 9, 303-316	3.8	117
793	Highly conductive and strain-released hybrid multilayer Ge/Ti nanomembranes with enhanced lithium-ion-storage capability. <i>Advanced Materials</i> , 2013 , 25, 539-44	24	117
792	Hierarchical self-assembly of GaAs/AlGaAs quantum dots. <i>Physical Review Letters</i> , 2004 , 92, 166104	7.4	117
791	Shape evolution of InAs quantum dots during overgrowth. <i>Journal of Crystal Growth</i> , 2003 , 249, 416-421	11.6	117
790	Rolled-up transparent microtubes as two-dimensionally confined culture scaffolds of individual yeast cells. <i>Lab on A Chip</i> , 2009 , 9, 263-8	7.2	116

789	Principles and applications of micro and nanoscale wrinkles. <i>Materials Science and Engineering Reports</i> , 2010 , 70, 209-224	30.9	116
788	Photoluminescence of ultrasmall Ge quantum dots grown by molecular-beam epitaxy at low temperatures. <i>Applied Physics Letters</i> , 2002 , 80, 1279-1281	3.4	116
787	Strain and band-edge alignment in single and multiple layers of self-assembled Ge/Si and GeSi/Si islands. <i>Physical Review B</i> , 2000 , 62, 16715-16720	3.3	115
786	Antifreezing Hydrogel with High Zinc Reversibility for Flexible and Durable Aqueous Batteries by Cooperative Hydrated Cations. <i>Advanced Functional Materials</i> , 2020 , 30, 1907218	15.6	114
785	Tunable Pseudocapacitance in 3D TiO Nanomembranes Enabling Superior Lithium Storage Performance. <i>ACS Nano</i> , 2017 , 11, 821-830	16.7	113
784	Three-Dimensional Nano-objects Evolving from a Two-Dimensional Layer Technology. <i>Advanced Materials</i> , 2001 , 13, 756-759	24	111
783	Three-Dimensional (3D) Bicontinuous Au/Amorphous-Ge Thin Films as Fast and High-Capacity Anodes for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2013 , 3, 281-285	21.8	109
782	Prevention of gain saturation by multi-layer quantum dot lasers. <i>Electronics Letters</i> , 1996 , 32, 1302	1.1	109
781	Strain-induced material intermixing of InAs quantum dots in GaAs. <i>Applied Physics Letters</i> , 2000 , 77, 1789-1794	3.4	108
780	Diameter scalability of rolled-up In(Ga)As/GaAs nanotubes. <i>Semiconductor Science and Technology</i> , 2002 , 17, 1278-1281	1.8	107
779	Probing the lateral composition profile of self-assembled islands. <i>Physical Review Letters</i> , 2003 , 90, 196102	10.2	106
778	Pure thiophene-sulfur doped reduced graphene oxide: synthesis, structure, and electrical properties. <i>Nanoscale</i> , 2014 , 6, 7281-7	7.7	105
777	Rolled-up nanomembranes as compact 3D architectures for field effect transistors and fluidic sensing applications. <i>Nano Letters</i> , 2013 , 13, 213-8	11.5	104
776	Rolled-up magnetic sensor: nanomembrane architecture for in-flow detection of magnetic objects. <i>ACS Nano</i> , 2011 , 5, 7436-42	16.7	104
775	Self-Assembled Quantum Dot Molecules. <i>Advanced Materials</i> , 2009 , 21, 2601-2618	24	104
774	Atomic-scale pathway of the pyramid-to-dome transition during ge growth on Si(001). <i>Physical Review Letters</i> , 2004 , 93, 216102	7.4	104
773	Germanium Quantum dots Embedded in silicon: Quantitative study of self-alignment and coarsening. <i>Applied Physics Letters</i> , 1999 , 74, 269-271	3.4	104
772	Three-dimensional composition profiles of single quantum dots determined by scanning-probe-microscopy-based nanotomography. <i>Nano Letters</i> , 2008 , 8, 1404-9	11.5	103

771	SiOxBi radial superlattices and microtube optical ring resonators. <i>Applied Physics Letters</i> , 2007 , 90, 0919054	94	103
770	Swimming Microrobots: Soft, Reconfigurable, and Smart. <i>Advanced Functional Materials</i> , 2018 , 28, 17072286	236	103
769	Nanomembrane quantum-light-emitting diodes integrated onto piezoelectric actuators. <i>Advanced Materials</i> , 2012 , 24, 2668-72	24	102
768	Towards Flexible Magnetoelectronics: Buffer-Enhanced and Mechanically Tunable GMR of Co/Cu Multilayers on Plastic Substrates. <i>Advanced Materials</i> , 2008 , 20, 3224-3228	24	101
767	Lab-in-a-tube: on-chip integration of glass optofluidic ring resonators for label-free sensing applications. <i>Lab on A Chip</i> , 2012 , 12, 2649-55	7.2	100
766	Universal shapes of self-organized semiconductor quantum dots: Striking similarities between InAsGaAs(001) and GeBi(001). <i>Applied Physics Letters</i> , 2004 , 85, 5673-5675	3.4	99
765	Hybrid semiconductor-atomic interface: slowing down single photons from a quantum dot. <i>Nature Photonics</i> , 2011 , 5, 230-233	33.9	97
764	Exploiting Memristive BiFeO3 Bilayer Structures for Compact Sequential Logics. <i>Advanced Functional Materials</i> , 2014 , 24, 3357-3365	15.6	95
763	Lab-in-a-tube: detection of individual mouse cells for analysis in flexible split-wall microtube resonator sensors. <i>Nano Letters</i> , 2011 , 11, 4037-42	11.5	95
762	MoS2 nanosheets decorated with gold nanoparticles for rechargeable LiO2 batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14562-14566	13	94
761	A light-hole exciton in a quantum dot. <i>Nature Physics</i> , 2014 , 10, 46-51	16.2	94
760	Nanoscale Parallel Circuitry Based on Interpenetrating Conductive Assembly for Flexible and High-Power Zinc Ion Battery. <i>Advanced Functional Materials</i> , 2019 , 29, 1901336	15.6	92
759	Sperm Micromotors for Cargo Delivery through Flowing Blood. <i>ACS Nano</i> , 2020 , 14, 2982-2993	16.7	92
758	Sandwich-Stacked SnO2/Cu Hybrid Nanosheets as Multichannel Anodes for Lithium Ion Batteries. <i>ACS Nano</i> , 2013 , 7, 6948-54	16.7	92
757	Ultra-small excitonic fine structure splitting in highly symmetric quantum dots on GaAs (001) substrate. <i>Applied Physics Letters</i> , 2013 , 102, 152105	3.4	92
756	Self-wound composite nanomembranes as electrode materials for lithium ion batteries. <i>Advanced Materials</i> , 2010 , 22, 4591-5	24	92
755	Combined surface plasmon and classical waveguiding through metamaterial fiber design. <i>Nano Letters</i> , 2010 , 10, 1-5	11.5	91
754	Kinetic evolution and equilibrium morphology of strained islands. <i>Physical Review Letters</i> , 2005 , 95, 026103	103	91

753	Retrieving spin textures on curved magnetic thin films with full-field soft X-ray microscopies. <i>Nature Communications</i> , 2015 , 6, 7612	17.4	90
752	Highly-efficient extraction of entangled photons from quantum dots using a broadband optical antenna. <i>Nature Communications</i> , 2018 , 9, 2994	17.4	90
751	Engineering microrobots for targeted cancer therapies from a medical perspective. <i>Nature Communications</i> , 2020 , 11, 5618	17.4	89
750	Collective behaviour of self-propelled catalytic micromotors. <i>Nanoscale</i> , 2013 , 5, 1284-93	7.7	89
749	Lateral motion of SiGe islands driven by surface-mediated alloying. <i>Physical Review Letters</i> , 2005 , 94, 216103	7.4	89
748	Closely stacked InAs/GaAs quantum dots grown at low growth rate. <i>Applied Physics Letters</i> , 2002 , 80, 1544-1546	3.4	89
747	Role of surface-segregation-driven intermixing on the thermal transport through planar Si/Ge superlattices. <i>Physical Review Letters</i> , 2013 , 111, 115901	7.4	88
746	High yield and ultrafast sources of electrically triggered entangled-photon pairs based on strain-tunable quantum dots. <i>Nature Communications</i> , 2015 , 6, 10067	17.4	88
745	Rolled-up optical microcavities with subwavelength wall thicknesses for enhanced liquid sensing applications. <i>ACS Nano</i> , 2010 , 4, 3123-30	16.7	88
744	Growth of three-dimensional quantum dot crystals on patterned GaAs (0 0 1) substrates. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 23, 253-259	3	88
743	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2002 , 8, 1025-1034	3.8	88
742	Influence of lateral electric fields on multiexcitonic transitions and fine structure of single quantum dots. <i>Applied Physics Letters</i> , 2007 , 91, 051904	3.4	85
741	Spermatozoa as Functional Components of Robotic Microswimmers. <i>Advanced Materials</i> , 2017 , 29, 1606301	10.1	84
740	Carbonate-based Janus micromotors moving in ultra-light acidic environment generated by HeLa cells in situ. <i>Scientific Reports</i> , 2016 , 6, 21701	4.9	83
739	Dynamic Polymeric Microtubes for the Remote-Controlled Capture, Guidance, and Release of Sperm Cells. <i>Advanced Materials</i> , 2016 , 28, 4084-9	24	83
738	Fabrication, self-assembly, and properties of ultrathin AlN/GaN porous crystalline nanomembranes: tubes, spirals, and curved sheets. <i>ACS Nano</i> , 2009 , 3, 1663-8	16.7	82
737	Wavelength-tunable entangled photons from silicon-integrated III-V quantum dots. <i>Nature Communications</i> , 2016 , 7, 10387	17.4	81
736	Lab-in-a-tube: ultracompact components for on-chip capture and detection of individual micro-/nanoorganisms. <i>Lab on A Chip</i> , 2012 , 12, 1917-31	7.2	81

735	On-chip Si/SiO _x microtube refractometer. <i>Applied Physics Letters</i> , 2008 , 93, 094106	3.4	81
734	Rolled-up micro- and nanotubes from single-material thin films. <i>Applied Physics Letters</i> , 2006 , 89, 223109	3.4	79
733	Photoluminescence investigation of phononless radiative recombination and thermal-stability of germanium hut clusters on silicon(001). <i>Applied Physics Letters</i> , 2001 , 79, 2261-2263	3.4	79
732	Self-Assembled On-Chip-Integrated Giant Magneto-Impedance Sensorics. <i>Advanced Materials</i> , 2015 , 27, 6582-9	24	78
731	Noninvasive Zygote Transfer: A Rotating Spiral Micromotor for Noninvasive Zygote Transfer (Adv. Sci. 18/2020). <i>Advanced Science</i> , 2020 , 7, 2070102	13.6	78
730	Morphology response to strain field interferences in stacks of highly ordered quantum dot arrays. <i>Physical Review Letters</i> , 2003 , 91, 196103	7.4	78
729	Control over Janus micromotors by the strength of a magnetic field. <i>Nanoscale</i> , 2013 , 5, 1332-6	7.7	76
728	Stretchable spin valves on elastomer membranes by predetermined periodic fracture and random wrinkling. <i>Advanced Materials</i> , 2012 , 24, 6468-72	24	75
727	Enhancing the optical excitation efficiency of a single self-assembled quantum dot with a plasmonic nanoantenna. <i>Nano Letters</i> , 2010 , 10, 4555-8	11.5	74
726	Kinetic origin of island intermixing during the growth of Ge on Si(001). <i>Physical Review B</i> , 2005 , 72,	3.3	74
725	Local equilibrium and global relaxation of strained SiGeBi(001) layers. <i>Physical Review B</i> , 2006 , 74,	3.3	74
724	Composition of self-assembled Ge/Si islands in single and multiple layers. <i>Applied Physics Letters</i> , 2002 , 81, 2614-2616	3.4	74
723	Highly entangled photons from hybrid piezoelectric-semiconductor quantum dot devices. <i>Nano Letters</i> , 2014 , 14, 3439-44	11.5	73
722	Poisoning of bubble propelled catalytic micromotors: the chemical environment matters. <i>Nanoscale</i> , 2013 , 5, 2909-14	7.7	73
721	Monolithic growth of ultrathin Ge nanowires on Si(001). <i>Physical Review Letters</i> , 2012 , 109, 085502	7.4	73
720	Triggered indistinguishable single photons with narrow line widths from site-controlled quantum dots. <i>Nano Letters</i> , 2013 , 13, 126-30	11.5	73
719	Strain-induced anticrossing of bright exciton levels in single self-assembled GaAs/Al _x Ga _{1-x} As and In _x Ga _{1-x} As/GaAs quantum dots. <i>Physical Review B</i> , 2011 , 83,	3.3	73
718	Hybrid BioMicromotors. <i>Applied Physics Reviews</i> , 2017 , 4, 031301	17.3	72

717	Biomimetic Microelectronics for Regenerative Neuronal Cuff Implants. <i>Advanced Materials</i> , 2015 , 27, 6797-805	24	72
716	Site-controlled growth and luminescence of InAs quantum dots using in situ Ga-assisted deoxidation of patterned substrates. <i>Applied Physics Letters</i> , 2008 , 93, 101908	3-4	72
715	Light emission and wave guiding of quantum dots in a tube. <i>Applied Physics Letters</i> , 2006 , 88, 111120	3-4	72
714	Self-assembled InAs quantum dots on patterned GaAs(001) substrates: Formation and shape evolution. <i>Applied Physics Letters</i> , 2005 , 87, 243112	3-4	72
713	Magnetic sensing platform technologies for biomedical applications. <i>Lab on A Chip</i> , 2017 , 17, 1884-1912	7.2	71
712	Free-standing Fe ₂ O ₃ nanomembranes enabling ultra-long cycling life and high rate capability for Li-ion batteries. <i>Scientific Reports</i> , 2014 , 4, 7452	4-9	71
711	Recent Progress in Micro-Supercapacitor Design, Integration, and Functionalization. <i>Small Methods</i> , 2018 , 3, 1800367	12.8	71
710	Magnetic microhelix coil structures. <i>Physical Review Letters</i> , 2011 , 107, 097204	7-4	70
709	Effect of overgrowth temperature on the photoluminescence of Ge/Si islands. <i>Applied Physics Letters</i> , 2000 , 77, 2509-2511	3-4	70
708	Magnetic microstructure of rolled-up single-layer ferromagnetic nanomembranes. <i>Advanced Materials</i> , 2014 , 26, 316-23	24	69
707	Tunable catalytic tubular micro-pumps operating at low concentrations of hydrogen peroxide. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 10131-5	3-6	69
706	Shape transition during epitaxial growth of InAs quantum dots on GaAs(001): Theory and experiment. <i>Physical Review B</i> , 2006 , 73,	3-3	69
705	Ultras-small SnO ₂ nanocrystals: hot-bubbling synthesis, encapsulation in carbon layers and applications in high capacity Li-ion storage. <i>Scientific Reports</i> , 2014 , 4, 4647	4-9	68
704	Suppression of phonon heat conduction in cross-section-modulated nanowires. <i>Physical Review B</i> , 2012 , 85,	3-3	68
703	High-performance magnetic sensorics for printable and flexible electronics. <i>Advanced Materials</i> , 2015 , 27, 880-5	24	67
702	Multilayer super-short carbon nanotube/reduced graphene oxide architecture for enhanced supercapacitor properties. <i>Journal of Power Sources</i> , 2014 , 247, 396-401	8-9	67
701	Printable giant magnetoresistive devices. <i>Advanced Materials</i> , 2012 , 24, 4518-22	24	66
700	Solid-state ensemble of highly entangled photon sources at rubidium atomic transitions. <i>Nature Communications</i> , 2017 , 8, 15501	17.4	65

699	Propulsion Mechanism of Catalytic Microjet Engines. <i>IEEE Transactions on Robotics</i> , 2014 , 30, 40-48	6.5	65
698	Directional roll-up of nanomembranes mediated by wrinkling. <i>Nano Letters</i> , 2011 , 11, 236-40	11.5	65
697	Magneto-sensitive e-skins with directional perception for augmented reality. <i>Science Advances</i> , 2018 , 4, eaao2623	14.3	64
696	High-Performance Three-Dimensional Tubular Nanomembrane Sensor for DNA Detection. <i>Nano Letters</i> , 2016 , 16, 4288-96	11.5	64
695	Coupling of chiralities in spin and physical spaces: the Möbius ring as a case study. <i>Physical Review Letters</i> , 2015 , 114, 197204	7.4	64
694	All-Electric Access to the Magnetic-Field-Invariant Magnetization of Antiferromagnets. <i>Physical Review Letters</i> , 2015 , 115, 097201	7.4	63
693	Highly ordered arrays of In(Ga)As quantum dots on patterned GaAs(001) substrates. <i>Journal of Crystal Growth</i> , 2004 , 261, 444-449	1.6	63
692	Trench formation around and between self-assembled Ge islands on Si. <i>Applied Physics Letters</i> , 2001 , 78, 3723-3725	3.4	63
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