

Esko I Kauppinen

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.

407
papers

16,130
citations

65
h-index

108
g-index

424
ext. papers

17,937
ext. citations

7.3
avg, IF

6.48
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 407 | Multi-Functional MoO ₃ Doping of Carbon-Nanotube Top Electrodes for Highly Transparent and Efficient Semi-Transparent Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2022 , 2101595 | 4.6 | 3 |
| 406 | Joint effect of ethylene and toluene on carbon nanotube growth. <i>Carbon</i> , 2022 , 189, 474-483 | 10.4 | 4 |
| 405 | Intertube Excitonic Coupling in Nanotube Van der Waals Heterostructures (Adv. Funct. Mater. 11/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270069 | 15.6 | 0 |
| 404 | Dry-transferred single-walled carbon nanotube thin films for flexible and transparent heaters. <i>Surfaces and Interfaces</i> , 2022 , 31, 101992 | 4.1 | 2 |
| 403 | Key factors for ultra-high on/off ratio thin-film transistors using as-grown carbon nanotube networks. <i>RSC Advances</i> , 2022 , 12, 16291-16295 | 3.7 | 0 |
| 402 | Aerosol synthesis of single-walled carbon nanotubes by tuning feeding flow configuration for transparent conducting films. <i>Diamond and Related Materials</i> , 2021 , 108716 | 3.5 | 2 |
| 401 | Trends in Carbon, Oxygen, and Nitrogen Core in the X-ray Absorption Spectroscopy of Carbon Nanomaterials: A Guide for the Perplexed. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 973-988 | 3.8 | 8 |
| 400 | Tunable Doping and Characterization of Single-Wall Carbon Nanotube Macrosystems for Electrode Material Applications. <i>ACS Applied Nano Materials</i> , 2021 , 4, 3220-3231 | 5.6 | 1 |
| 399 | Strong dark current suppression in flexible organic photodetectors by carbon nanotube transparent electrodes. <i>Nano Today</i> , 2021 , 37, 101081 | 17.9 | 20 |
| 398 | Photoluminescence from Single-Walled MoS ₂ Nanotubes Coaxially Grown on Boron Nitride Nanotubes. <i>ACS Nano</i> , 2021 , 15, 8418-8426 | 16.7 | 14 |
| 397 | Carbon Nanotube Mask Filters and Their Hydrophobic Barrier and Hyperthermic Antiviral Effects on SARS-CoV-2. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8135-8144 | 5.6 | 7 |
| 396 | Colors of Single-Wall Carbon Nanotubes. <i>Advanced Materials</i> , 2021 , 33, e2006395 | 24 | 7 |
| 395 | Initial competing chemical pathways during floating catalyst chemical vapor deposition carbon nanotube growth. <i>Journal of Applied Physics</i> , 2021 , 129, 044302 | 2.5 | 7 |
| 394 | Phenomenological model of thermal transport in carbon nanotube and hetero-nanotube films. <i>Nanotechnology</i> , 2021 , 32, 205708 | 3.4 | 2 |
| 393 | Foldable Perovskite Solar Cells Using Carbon Nanotube-Embedded Ultrathin Polyimide Conductor. <i>Advanced Science</i> , 2021 , 8, 2004092 | 13.6 | 26 |
| 392 | Carbon Nanotubes: Colors of Single-Wall Carbon Nanotubes (Adv. Mater. 8/2021). <i>Advanced Materials</i> , 2021 , 33, 2170060 | 24 | |
| 391 | One-dimensional van der Waals heterostructures: Growth mechanism and handedness correlation revealed by nondestructive TEM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118, | 11.5 | 13 |

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| 390 | Single-Walled Carbon Nanotube Thin Film with High Semiconducting Purity by Aerosol Etching toward Thin-Film Transistors. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9673-9679 | 5.6 | 1 |
| 389 | SWCNT@BNNT With 1D Van Der Waals Heterostructure With a High Optical Damage Threshold for Laser Mode-Locking. <i>Journal of Lightwave Technology</i> , 2021 , 39, 5875-5883 | 4 | 2 |
| 388 | Electronic transitions of SWCNTs in comparison to GO on Mn ₃ O ₄ /TiO ₂ nanocomposites for hydrogen energy generation and solar photocatalysis. <i>New Journal of Chemistry</i> , 2021 , 45, 2431-2442 | 3.6 | 2 |
| 387 | Carbon nanotubes to outperform metal electrodes in perovskite solar cells via dopant engineering and hole-selectivity enhancement. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11141-11147 | 13 | 28 |
| 386 | Scalable growth of single-walled carbon nanotubes with a highly uniform structure. <i>Nanoscale</i> , 2020 , 12, 12263-12267 | 7.7 | 8 |
| 385 | Electrochemical Detection of Oxycodone and Its Main Metabolites with Nafion-Coated Single-Walled Carbon Nanotube Electrodes. <i>Analytical Chemistry</i> , 2020 , 92, 8218-8227 | 7.8 | 17 |
| 384 | Mesoporous Single-Atom-Doped Graphene/Carbon Nanotube Hybrid: Synthesis and Tunable Electrocatalytic Activity for Oxygen Evolution and Reduction Reactions. <i>ACS Catalysis</i> , 2020 , 10, 4647-4658 | 13.1 | 53 |
| 383 | MoS ₂ -carbon nanotube heterostructure as efficient hole transporters and conductors in perovskite solar cells. <i>Applied Physics Express</i> , 2020 , 13, 075009 | 2.4 | 7 |
| 382 | Single-Walled Carbon Nanotube Network Electrodes for the Detection of Fentanyl Citrate. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1203-1212 | 5.6 | 11 |
| 381 | One-dimensional van der Waals heterostructures. <i>Science</i> , 2020 , 367, 537-542 | 33.3 | 119 |
| 380 | Fast and Ultraclean Approach for Measuring the Transport Properties of Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2020 , 30, 1907150 | 15.6 | 2 |
| 379 | Silicon Solar Cells: Multifunctional Effect of p-Doping, Antireflection, and Encapsulation by Polymeric Acid for High Efficiency and Stable Carbon Nanotube-Based Silicon Solar Cells (Adv. Energy Mater. 1/2020). <i>Advanced Energy Materials</i> , 2020 , 10, 2070005 | 21.8 | 1 |
| 378 | Multifunctional Effect of p-Doping, Antireflection, and Encapsulation by Polymeric Acid for High Efficiency and Stable Carbon Nanotube-Based Silicon Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 1902389 | 21.8 | 28 |
| 377 | High-performance transparent conducting films of long single-walled carbon nanotubes synthesized from toluene alone. <i>Nano Research</i> , 2020 , 13, 112-120 | 10 | 13 |
| 376 | Hybrid Low-Dimensional Carbon Allotropes Formed in Gas Phase. <i>Advanced Functional Materials</i> , 2020 , 30, 2005016 | 15.6 | 5 |
| 375 | A structure and activity relationship for single-walled carbon nanotube growth confirmed by observations and modeling. <i>Nanoscale</i> , 2020 , 12, 21923-21931 | 7.7 | 2 |
| 374 | Carbon Nanotube Electrode-Based Perovskite/Silicon Tandem Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000353 | 7.1 | 8 |
| 373 | Suspended superconducting weak links from aerosol-synthesized single-walled carbon nanotubes. <i>Nano Research</i> , 2020 , 13, 3433-3438 | 10 | |

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| 372 | Transparent and Freestanding Single-Walled Carbon Nanotube Films Synthesized Directly and Continuously via a Blown Aerosol Technique. <i>Advanced Materials</i> , 2020 , 32, e2004277 | 24 | 13 |
| 371 | Ultrafast Optoelectronic Processes in 1D Radial van der Waals Heterostructures: Carbon, Boron Nitride, and MoS Nanotubes with Coexisting Excitons and Highly Mobile Charges. <i>Nano Letters</i> , 2020 , 20, 3560-3567 | 11.5 | 21 |
| 370 | Enhanced In-Plane Thermal Conductance of Thin Films Composed of Coaxially Combined Single-Walled Carbon Nanotubes and Boron Nitride Nanotubes. <i>ACS Nano</i> , 2020 , 14, 4298-4305 | 16.7 | 25 |
| 369 | Investigation of charge interaction between fullerene derivatives and single-walled carbon nanotubes. <i>Informa Materials</i> , 2019 , 1, 559-570 | 23.1 | 15 |
| 368 | Substitutional Si Doping of Graphene and Nanotubes through Ion Irradiation-Induced Vacancies. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1574-1575 | 0.5 | |
| 367 | Enhanced Tunneling in a Hybrid of Single-Walled Carbon Nanotubes and Graphene. <i>ACS Nano</i> , 2019 , 13, 11522-11529 | 16.7 | 13 |
| 366 | Controlled Redox of Lithium-Ion Endohedral Fullerene for Efficient and Stable Metal Electrode-Free Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16553-16558 | 16.4 | 35 |
| 365 | Recent Developments in Single-Walled Carbon Nanotube Thin Films Fabricated by Dry Floating Catalyst Chemical Vapor Deposition. <i>Topics in Current Chemistry Collections</i> , 2019 , 99-128 | 1.8 | |
| 364 | Silicon Substitution in Nanotubes and Graphene via Intermittent Vacancies. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 13136-13140 | 3.8 | 15 |
| 363 | Systematic investigation of the catalyst composition effects on single-walled carbon nanotubes synthesis in floating-catalyst CVD. <i>Carbon</i> , 2019 , 149, 318-327 | 10.4 | 27 |
| 362 | Hybrid X-ray Spectroscopy-Based Approach To Acquire Chemical and Structural Information of Single-Walled Carbon Nanotubes with Superior Sensitivity. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6114-6120 | 3.8 | 9 |
| 361 | A robust Co _x Mg _{1-x} O catalyst for predominantly growing (6, 5) single-walled carbon nanotubes. <i>Carbon</i> , 2019 , 153, 389-395 | 10.4 | 14 |
| 360 | Roles of sulfur in floating-catalyst CVD growth of single-walled carbon nanotubes for transparent conductive film applications. <i>Chemical Engineering Journal</i> , 2019 , 378, 122010 | 14.7 | 11 |
| 359 | Immunoassays Based on Hot Electron-Induced Electrochemiluminescence at Disposable Cell Chips with Printed Electrodes. <i>Sensors</i> , 2019 , 19, | 3.8 | 1 |
| 358 | Electron-Beam Manipulation of Silicon Impurities in Single-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2019 , 29, 1901327 | 15.6 | 5 |
| 357 | Simultaneous Detection of Morphine and Codeine in the Presence of Ascorbic Acid and Uric Acid and in Human Plasma at Nafion Single-Walled Carbon Nanotube Thin-Film Electrode. <i>ACS Omega</i> , 2019 , 4, 17726-17734 | 3.9 | 17 |
| 356 | Self-starting mode-locked Cr:ZnS laser using single-walled carbon nanotubes with resonant absorption at 2.4 μ m. <i>Optics Letters</i> , 2019 , 44, 1750-1753 | 3 | 10 |
| 355 | Can single-walled carbon nanotube diameter be defined by catalyst particle diameter?. <i>Journal of Physical Chemistry C</i> , 2019 , 123, | 3.8 | 1 |

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| 354 | Growth kinetics of single-walled carbon nanotubes with a (2,) chirality selection. <i>Science Advances</i> , 2019 , 5, eaav9668 | 14.3 | 32 |
| 353 | Can Single-Walled Carbon Nanotube Diameter Be Defined by Catalyst Particle Diameter?. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 30305-30317 | 3.8 | 9 |
| 352 | Hot electron-induced electrochemiluminescence at cellulose derivatives-based composite electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 833, 349-356 | 4.1 | 2 |
| 351 | Cutting floating single-walled carbon nanotubes with a "O2 blade" <i>Carbon</i> , 2019 , 143, 481-486 | 10.4 | 6 |
| 350 | Is there chiral correlation between graphitic layers in double-wall carbon nanotubes?. <i>Carbon</i> , 2019 , 144, 147-151 | 10.4 | 14 |
| 349 | Vapor-Assisted Ex-Situ Doping of Carbon Nanotube toward Efficient and Stable Perovskite Solar Cells. <i>Nano Letters</i> , 2019 , 19, 2223-2230 | 11.5 | 43 |
| 348 | Floating catalyst CVD synthesis of single walled carbon nanotubes from ethylene for high performance transparent electrodes. <i>Nanoscale</i> , 2018 , 10, 9752-9759 | 7.7 | 47 |
| 347 | Harmonic analysis of surface instability patterns on colloidal particles. <i>Soft Matter</i> , 2018 , 14, 3387-3396 | 3.6 | 14 |
| 346 | Pulmonary administration of a dry powder formulation of the antifibrotic drug tilorone reduces silica-induced lung fibrosis in mice. <i>International Journal of Pharmaceutics</i> , 2018 , 544, 121-128 | 6.5 | 4 |
| 345 | High temperature growth of single-walled carbon nanotubes with a narrow chirality distribution by tip-growth mode. <i>Chemical Engineering Journal</i> , 2018 , 341, 344-350 | 14.7 | 14 |
| 344 | Wafer-Scale Thermophoretic Dry Deposition of Single-Walled Carbon Nanotube Thin Films. <i>ACS Omega</i> , 2018 , 3, 1322-1328 | 3.9 | 8 |
| 343 | Validity of Measuring Metallic and Semiconducting Single-Walled Carbon Nanotube Fractions by Quantitative Raman Spectroscopy. <i>Analytical Chemistry</i> , 2018 , 90, 2517-2525 | 7.8 | 23 |
| 342 | Carbon-sandwiched perovskite solar cell. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1382-1389 | 13 | 77 |
| 341 | Ultrahigh-performance transparent conductive films of carbon-welded isolated single-wall carbon nanotubes. <i>Science Advances</i> , 2018 , 4, eaap9264 | 14.3 | 111 |
| 340 | Growth modes and chiral selectivity of single-walled carbon nanotubes. <i>Nanoscale</i> , 2018 , 10, 6744-6750 | 7.7 | 44 |
| 339 | High-performance single-walled carbon nanotube transparent conducting film fabricated by using low feeding rate of ethanol solution. <i>Royal Society Open Science</i> , 2018 , 5, 180392 | 3.3 | 17 |
| 338 | Direct Synthesis of Colorful Single-Walled Carbon Nanotube Thin Films. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9797-9800 | 16.4 | 40 |
| 337 | Atomic-Scale Deformations at the Interface of a Mixed-Dimensional van der Waals Heterostructure. <i>ACS Nano</i> , 2018 , 12, 8512-8519 | 16.7 | 13 |

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|-----|---|------|-----|
| 336 | Measurement of in-plane sheet thermal conductance of single-walled carbon nanotube thin films by steady-state infrared thermography. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 075101 | 1.4 | 9 |
| 335 | Non-doped and unsorted single-walled carbon nanotubes as carrier-selective, transparent, and conductive electrode for perovskite solar cells. <i>MRS Communications</i> , 2018 , 8, 1058-1063 | 2.7 | 10 |
| 334 | Polymeric acid-doped transparent carbon nanotube electrodes for organic solar cells with the longest doping durability. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14553-14559 | 13 | 46 |
| 333 | Dense Carbon Nanotube Films as Transparent Electrodes in Low-Voltage Polymer and All-Carbon Transistors. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700331 | 6.4 | 7 |
| 332 | Anchoring effect of Ni ²⁺ in stabilizing reduced metallic particles for growing single-walled carbon nanotubes. <i>Carbon</i> , 2018 , 128, 249-256 | 10.4 | 25 |
| 331 | Single-Walled Carbon Nanotubes: Tuning Geometry of SWCNTs by CO ₂ in Floating Catalyst CVD for High-Performance Transparent Conductive Films (Adv. Mater. Interfaces 23/2018). <i>Advanced Materials Interfaces</i> , 2018 , 5, 1870114 | 4.6 | 2 |
| 330 | Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. <i>ACS Nano</i> , 2018 , 12, 11756-11784 | 16.7 | 239 |
| 329 | Tuning Geometry of SWCNTs by CO ₂ in Floating Catalyst CVD for High-Performance Transparent Conductive Films. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1801209 | 4.6 | 13 |
| 328 | Gas phase synthesis of metallic and bimetallic catalyst nanoparticles by rod-to-tube type spark discharge generator. <i>Journal of Aerosol Science</i> , 2018 , 123, 208-218 | 4.3 | 14 |
| 327 | Experimental and Computational Investigation of Hydrogen Evolution Reaction Mechanism on Nitrogen Functionalized Carbon Nanotubes. <i>ChemCatChem</i> , 2018 , 10, 3872-3882 | 5.2 | 11 |
| 326 | High Temperature-Stable Perovskite Solar Cell Based on Low-Cost Carbon Nanotube Hole Contact. <i>Advanced Materials</i> , 2017 , 29, 1606398 | 24 | 173 |
| 325 | Photon-Pair Generation with a 100 nm Thick Carbon Nanotube Film. <i>Advanced Materials</i> , 2017 , 29, 1605927 | 7.8 | 18 |
| 324 | Growth Termination and Multiple Nucleation of Single-Wall Carbon Nanotubes Evidenced by in Situ Transmission Electron Microscopy. <i>ACS Nano</i> , 2017 , 11, 4483-4493 | 16.7 | 39 |
| 323 | Scalable and Solid-State Redox Functionalization of Transparent Single-Walled Carbon Nanotube Films for Highly Efficient and Stable Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1700449 | 21.8 | 48 |
| 322 | Indium Tin Oxide-Free Small Molecule Organic Solar Cells Using Single-Walled Carbon Nanotube Electrodes. <i>ECS Journal of Solid State Science and Technology</i> , 2017 , 6, M3181-M3184 | 2 | 13 |
| 321 | Tailorable second-harmonic generation from an individual nanowire using spatially phase-shaped beams. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600175 | 8.3 | 19 |
| 320 | Dry and Direct Deposition of Aerosol-Synthesized Single-Walled Carbon Nanotubes by Thermophoresis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20738-20747 | 9.5 | 33 |
| 319 | Electrochemical Activation of Single-Walled Carbon Nanotubes with Pseudo-Atomic-Scale Platinum for the Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2017 , 7, 3121-3130 | 13.1 | 216 |

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|-----|---|------|-----|
| 318 | Perovskite Solar Cells Using Carbon Nanotubes Both as Cathode and as Anode. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25743-25749 | 3.8 | 69 |
| 317 | Carbon Nanotubes versus Graphene as Flexible Transparent Electrodes in Inverted Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5395-5401 | 6.4 | 107 |
| 316 | Highly conductive and transparent single-walled carbon nanotube thin films from ethanol by floating catalyst chemical vapor deposition. <i>Nanoscale</i> , 2017 , 9, 17601-17609 | 7.7 | 34 |
| 315 | Atomic layer etching of gallium nitride (0001). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017 , 35, 060603 | 2.9 | 29 |
| 314 | Probing the longitudinal electric field of Bessel beams using second-harmonic generation from nano-objects. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 084011 | 1.7 | 3 |
| 313 | Recent Developments in Single-Walled Carbon Nanotube Thin Films Fabricated by Dry Floating Catalyst Chemical Vapor Deposition. <i>Topics in Current Chemistry</i> , 2017 , 375, 90 | 7.2 | 27 |
| 312 | Applications of carbon nanotubes and graphene produced by chemical vapor deposition. <i>MRS Bulletin</i> , 2017 , 42, 825-833 | 3.2 | 12 |
| 311 | Carbon Nanotubes: Photon-Pair Generation with a 100 nm Thick Carbon Nanotube Film (Adv. Mater. 24/2017). <i>Advanced Materials</i> , 2017 , 29, | 24 | 2 |
| 310 | Aerosolization, Drug Permeation and Cellular Interaction of Dry Powder Pulmonary Formulations of Corticosteroids with Hydroxypropyl- β -Cyclodextrin as a Solubilizer. <i>Pharmaceutical Research</i> , 2017 , 34, 25-35 | 4.5 | 10 |
| 309 | Temperature dependent performance and catalyst layer properties of PtRu supported on modified few-walled carbon nanotubes for the alkaline direct ethanol fuel cell. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 793, 48-57 | 4.1 | 17 |
| 308 | Porous N,P-doped carbon from coconut shells with high electrocatalytic activity for oxygen reduction: Alternative to Pt-C for alkaline fuel cells. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 394-402 | 21.8 | 239 |
| 307 | Dry-Deposited Transparent Carbon Nanotube Film as Front Electrode in Colloidal Quantum Dot Solar Cells. <i>ChemSusChem</i> , 2017 , 10, 434-441 | 8.3 | 17 |
| 306 | Linking growth mode to lengths of single-walled carbon nanotubes. <i>Carbon</i> , 2017 , 113, 231-236 | 10.4 | 58 |
| 305 | Nonlinear imaging of nanostructures using beams with binary phase modulation. <i>Optics Express</i> , 2017 , 25, 10441-10448 | 3.3 | 3 |
| 304 | Nonlinear microscopy using cylindrical vector beams: Applications to three-dimensional imaging of nanostructures. <i>Optics Express</i> , 2017 , 25, 12463-12468 | 3.3 | 20 |
| 303 | High-Throughput Synthesis of Lignin Particles (~30 nm to ~2 μ m) via Aerosol Flow Reactor: Size Fractionation and Utilization in Pickering Emulsions. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23302-10 | 9.5 | 120 |
| 302 | Lithography-free shell-substrate isolation for core-shell GaAs nanowires. <i>Nanotechnology</i> , 2016 , 27, 275603 | 9.4 | 1 |
| 301 | Synthesis and properties of ultra-long InP nanowires on glass. <i>Nanotechnology</i> , 2016 , 27, 505606 | 3.4 | 5 |

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| 300 | Environmental transmission electron microscopy investigations of Pt-Fe ₂ O ₃ nanoparticles for nucleating carbon nanotubes. <i>Carbon</i> , 2016 , 110, 243-248 | 10.4 | 22 |
| 299 | Growth of semiconducting single-wall carbon nanotubes with a narrow band-gap distribution. <i>Nature Communications</i> , 2016 , 7, 11160 | 17.4 | 62 |
| 298 | Single-walled carbon nanotubes coated with ZnO by atomic layer deposition. <i>Nanotechnology</i> , 2016 , 27, 485709 | 3.4 | 6 |
| 297 | Metal-electrode-free Window-like Organic Solar Cells with p-Doped Carbon Nanotube Thin-film Electrodes. <i>Scientific Reports</i> , 2016 , 6, 31348 | 4.9 | 55 |
| 296 | FeTiO based catalyst for large-chiral-angle single-walled carbon nanotube growth. <i>Carbon</i> , 2016 , 107, 865-871 | 10.4 | 11 |
| 295 | Transparent and conductive hybrid graphene/carbon nanotube films. <i>Carbon</i> , 2016 , 100, 501-507 | 10.4 | 60 |
| 294 | Carbon nanotube-based hybrid hole-transporting material and selective contact for high efficiency perovskite solar cells. <i>Energy and Environmental Science</i> , 2016 , 9, 461-466 | 35.4 | 156 |
| 293 | A technique for large-area position-controlled growth of GaAs nanowire arrays. <i>Nanotechnology</i> , 2016 , 27, 135601 | 3.4 | 9 |
| 292 | Highly individual SWCNTs for high performance thin film electronics. <i>Carbon</i> , 2016 , 103, 228-234 | 10.4 | 55 |
| 291 | Maghemite nanoparticles decorated on carbon nanotubes as efficient electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5216-5222 | 13 | 55 |
| 290 | Flexible light-emitting electrochemical cells with single-walled carbon nanotube anodes. <i>Organic Electronics</i> , 2016 , 30, 36-39 | 3.5 | 17 |
| 289 | Protective capping and surface passivation of III-V nanowires by atomic layer deposition. <i>AIP Advances</i> , 2016 , 6, 015016 | 1.5 | 18 |
| 288 | Effect of tetrahedral amorphous carbon coating on the resistivity and wear of single-walled carbon nanotube network. <i>Journal of Applied Physics</i> , 2016 , 119, 185306 | 2.5 | 5 |
| 287 | Drug permeation and cellular interaction of amino acid-coated drug combination powders for pulmonary delivery. <i>International Journal of Pharmaceutics</i> , 2016 , 504, 89-97 | 6.5 | 12 |
| 286 | Hierarchical chrysanthemum-flower-like carbon nanomaterials grown by chemical vapor deposition. <i>Nanotechnology</i> , 2016 , 27, 085602 | 3.4 | 5 |
| 285 | Oral hypoglycaemic effect of GLP-1 and DPP4 inhibitor based nanocomposites in a diabetic animal model. <i>Journal of Controlled Release</i> , 2016 , 232, 113-9 | 11.7 | 36 |
| 284 | Electrical behaviour of native cellulose nanofibril/carbon nanotube hybrid aerogels under cyclic compression. <i>RSC Advances</i> , 2016 , 6, 89051-89056 | 3.7 | 17 |
| 283 | Chiral-selective growth of single-walled carbon nanotubes on Fe-based catalysts using CO as carbon source. <i>Carbon</i> , 2016 , 108, 521-528 | 10.4 | 43 |

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|-----|--|------|-----|
| 282 | Single-Shell Carbon-Encapsulated Iron Nanoparticles: Synthesis and High Electrocatalytic Activity for Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2015 , 127, 4618-4621 | 3.6 | 54 |
| 281 | A Novel Method for Continuous Synthesis of ZnO Tetrapods. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16366-16373 | 3.8 | 18 |
| 280 | Direct and Dry Deposited Single-Walled Carbon Nanotube Films Doped with MoO(x) as Electron-Blocking Transparent Electrodes for Flexible Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7982-5 | 16.4 | 126 |
| 279 | Thermoresponsive Nanoparticles of Self-Assembled Block Copolymers as Potential Carriers for Drug Delivery and Diagnostics. <i>Biomacromolecules</i> , 2015 , 16, 2750-6 | 6.9 | 32 |
| 278 | Multistage pH-responsive mucoadhesive nanocarriers prepared by aerosol flow reactor technology: A controlled dual protein-drug delivery system. <i>Biomaterials</i> , 2015 , 68, 9-20 | 15.6 | 65 |
| 277 | Carbon nanotube film replacing silver in high-efficiency solid-state dye solar cells employing polymer hole conductor. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 3139-3144 | 2.6 | 11 |
| 276 | Key roles of carbon solubility in single-walled carbon nanotube nucleation and growth. <i>Nanoscale</i> , 2015 , 7, 20284-9 | 7.7 | 23 |
| 275 | Single walled carbon nanotube network/tetrahedral amorphous carbon composite film. <i>Journal of Applied Physics</i> , 2015 , 117, 225302 | 2.5 | 8 |
| 274 | Single-Walled Carbon Nanotube Film as Electrode in Indium-Free Planar Heterojunction Perovskite Solar Cells: Investigation of Electron-Blocking Layers and Dopants. <i>Nano Letters</i> , 2015 , 15, 6665-71 | 11.5 | 151 |
| 273 | Acid-Triggered Colorimetric Hydrophobic Benzyl Alcohols for Soluble Tag-Assisted Liquid-Phase Synthesis. <i>Organic Letters</i> , 2015 , 17, 4264-7 | 6.2 | 18 |
| 272 | Dry Functionalization and Doping of Single-Walled Carbon Nanotubes by Ozone. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27821-27828 | 3.8 | 29 |
| 271 | Activity and stability studies of platinized multi-walled carbon nanotubes as fuel cell electrocatalysts. <i>Applied Catalysis B: Environmental</i> , 2015 , 162, 289-299 | 21.8 | 32 |
| 270 | Conditions for forming composite carbon nanotube-diamond like carbon material that retain the good properties of both materials. <i>Journal of Applied Physics</i> , 2015 , 118, 194306 | 2.5 | 6 |
| 269 | Hydrophobic benzyl amines as supports for liquid-phase C-terminal amidated peptide synthesis: application to the preparation of ABT-510. <i>Journal of Peptide Science</i> , 2015 , 21, 691-5 | 2.1 | 12 |
| 268 | Ambient-Dried Cellulose Nanofibril Aerogel Membranes with High Tensile Strength and Their Use for Aerosol Collection and Templates for Transparent, Flexible Devices. <i>Advanced Functional Materials</i> , 2015 , 25, 6618-6626 | 15.6 | 115 |
| 267 | Broadband laser polarization control with aligned carbon nanotubes. <i>Nanoscale</i> , 2015 , 7, 11199-205 | 7.7 | 11 |
| 266 | A reference material of single-walled carbon nanotubes: quantitative chirality assessment using optical absorption spectroscopy. <i>RSC Advances</i> , 2015 , 5, 102974-102980 | 3.7 | 13 |
| 265 | Toward the Limits of Uniformity of Mixed Metallicity SWCNT TFT Arrays with Spark-Synthesized and Surface-Density-Controlled Nanotube Networks. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28134-41 | 9.5 | 9 |

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