# Philippe Poulin

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 162 papers | 15,035 citations | 25014 57 h-index | 18115 120 g-index |
| 166 all docs | 166 docs citations | 166 times ranked | 16410 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Engineering hybrid nanotube wires for high-power biofuel cellspace. Nature Communications, 2010, 1, 1-7. | 5.8 | 1,864 |
| 2 | Macroscopic Fibers and Ribbons of Oriented Carbon Nanotubes. Science, 2000, 290, 1331-1334. | 6.0 | 1,703 |
| 3 | Novel Colloidal Interactions in Anisotropic Fluids. Science, 1997, 275, 1770-1773. | 6.0 | 1,117 |
| 4 | Inverted and multiple nematic emulsions. Physical Review E, 1998, 57, 626-637. | 0.8 | 457 |
| 5 | Colloidal ordering from phase separation in a liquid- crystalline continuous phase. Nature, 2000, 407, 611-613. | 13.7 | 433 |
| 6 | Shape and Temperature Memory of Nanocomposites with Broadened Glass Transition. Science, 2007, 318, 1294-1296. | 6.0 | 375 |
| 7 | Hot-Drawing of Single and Multiwall Carbon Nanotube Fibers for High Toughness and Alignment. Nano Letters, 2005, 5, 2212-2215. | 4.5 | 306 |
| 8 | How To Prepare and Stabilize Very Small Nanoemulsions. Langmuir, 2011, 27, 1683-1692. | 1.6 | 287 |
| 9 | Graphene oxide dispersions: tuning rheology to enable fabrication. Materials Horizons, 2014, 1, 326-331. | 6.4 | 276 |
| 10 | Emulsions: basic principles. Reports on Progress in Physics, 1999, 62, 969-1033. | 8.1 | 270 |
| 11 | Direct Measurement of Colloidal Forces in an Anisotropic Solvent. Physical Review Letters, 1997, 79, 4862-4865. | 2.9 | 253 |
| 12 | Spontaneous Dissolution of a Single-Wall Carbon Nanotube Salt. Journal of the American Chemical Society, 2005, 127, 8-9. | 6.6 | 238 |
| 13 | An Experimental Approach to the Percolation of Sticky Nanotubes. Science, 2005, 309, 920-923. | 6.0 | 236 |
| 14 | Particle-Stabilized Defect Gel in Cholesteric Liquid Crystals. Science, 1999, 283, 209-212. | 6.0 | 214 |
| 15 | Films and fibers of oriented single wall nanotubes. Carbon, 2002, 40, 1741-1749. | 5.4 | 210 |
| 16 | Improved structure and properties of single-wall carbon nanotube spun fibers. Applied Physics Letters, 2002, 81, 1210-1212. | 1.5 | 208 |
| 17 | In Situ Measurements of Nanotube Dimensions in Suspensions by Depolarized Dynamic Light Scattering. Langmuir, 2004, 20, 10367-10370. | 1.6 | 197 |
| 18 | Liquid Crystals of DNA-Stabilized Carbon Nanotubes. Advanced Materials, 2005, 17, 1673-1676. | 11.1 | 197 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Engineering hybrid nanotube wires for high-power biofuel cells. Nature Communications, 2010, 1, 2. | 5.8 | 193 |
| 20 | Structural health monitoring of glass fiber reinforced composites using embedded carbon nanotube (CNT) fibers. Composites Science and Technology, 2010, 70, 260-271. | 3.8 | 192 |
| 21 | Direct measurement of colloidal forces. Physical Review Letters, 1994, 72, 2959-2962. | 2.9 | 176 |
| 22 | Carbon Nanotube Fiber Microelectrodes. Journal of the American Chemical Society, 2003, 125, 14706-14707. | 6.6 | 173 |
| 23 | Kinetics of Nanotube and Microfiber Scission under Sonication. Journal of Physical Chemistry C, 2009, 113, 20599-20605. | 1.5 | 173 |
| 24 | Stokes Drag on a Sphere in a Nematic Liquid Crystal. Science, 2004, 306, 1525-1525. | 6.0 | 167 |
| 25 | Properties of Carbon Nanotube Fibers Spun from DNA-Stabilized Dispersions. Advanced Functional Materials, 2004, 14, 133-138. | 7.8 | 155 |
| 26 | Absorption Spectroscopy of Individual Single-Walled Carbon Nanotubes. Nano Letters, 2007, 7, 1203-1207. | 4.5 | 154 |
| 27 | Shape memory nanocomposite fibers for untethered high-energy microengines. Science, 2019, 365, 155-158. | 6.0 | 151 |
| 28 | Application of an Electric Field to Colloidal Particles Suspended in a Liquid-Crystal Solvent. Physical Review Letters, 2001, 87, 165503. | 2.9 | 134 |
| 29 | Applications of Carbon Nanotubes-Based Biomaterials in Biomedical Nanotechnology. Journal of Nanoscience and Nanotechnology, 2006, 6, 1883-1904. | 0.9 | 129 |
| 30 | Superflexibility of graphene oxide. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11088-11093. | 3.3 | 125 |
| 31 | Polymeric foams for flexible and highly sensitive low-pressure capacitive sensors. Npj Flexible Electronics, 2019, 3, . | 5.1 | 124 |
| 32 | Carbon Nanotube Fiber Microelectrodes Show a Higher Resistance to Dopamine Fouling. Analytical Chemistry, 2013, 85, 7447-7453. | 3.2 | 123 |
| 33 | Liquid Crystal Behavior of Single-Walled Carbon Nanotubes Dispersed in Biological Hyaluronic Acid Solutions. Journal of the American Chemical Society, 2007, 129, 9452-9457. | 6.6 | 108 |
| 34 | Behavior of Soap Films Stabilized by a Cationic Dimeric Surfactant. Langmuir, 1998, 14, 4251-4260. | 1.6 | 103 |
| 35 | Anisotropic Thin Films of Single-Wall Carbon Nanotubes from Aligned Lyotropic Nematic Suspensions. Nano Letters, 2008, 8, 4103-4107. | 4.5 | 93 |
| 36 | Competing mechanisms and scaling laws for carbon nanotube scission by ultrasonication. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11599-11604. | 3.3 | 87 |

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| 37 | Graphene liquid crystal retarded percolation for new high-k materials. Nature Communications, 2015, 6, 8700. | 5.8 | 85 |
| 38 | Structure of adhesive emulsions. Langmuir, 1993, 9, 3352-3356. | 1.6 | 84 |
| 39 | Correlation of properties with preferred orientation in coagulated and stretch-aligned single-wall carbon nanotubes. Journal of Applied Physics, 2004, 96, 7509-7513. | 1.1 | 84 |
| 40 | Influence of surface functionalization on the thermal and electrical properties of nanotubeâ€“PVA composites. Composites Science and Technology, 2008, 68, 2568-2573. | 3.8 | 81 |
| 41 | Highly Ordered Carbon Nanotube Nematic Liquid Crystals. Journal of Physical Chemistry C, 2011, 115, 3272-3278. | 1.5 | 77 |
| 42 | Phase behavior of nanotube suspensions: from attraction induced percolation to liquid crystalline phases. Journal of Materials Chemistry, 2006, 16, 4095. | 6.7 | 74 |
| 43 | Adhesion of Water Droplets in Organic Solvent. Langmuir, 1998, 14, 6341-6343. | 1.6 | 72 |
| 44 | Suspension of spherical particles in nematic solutions of disks and rods. Physical Review E, 1999, 59, 4384-4387. | 0.8 | 72 |
| 45 | Raman Response of Carbon Nanotube/PVA Fibers under Strain. Journal of Physical Chemistry C, 2009, 113, 4751-4754. | 1.5 | 71 |
| 46 | Hierarchical Pore Structure and Wetting Properties of Single-Wall Carbon Nanotube Fibers. Nano Letters, 2003, 3, 419-423. | 4.5 | 70 |
| 47 | Mesoporous and Homothetic Silica Capsules in Reverse-Emulsion Microreactors. Advanced Materials, 2004, 16, 1094-1097. | 11.1 | 68 |
| 48 | Advances in Subcritical Hydroâ€/Solvothermal Processing of Graphene Materials. Advanced Materials, 2017, 29, 1605473. | 11.1 | 68 |
| 49 | Nanotube fibers for electromechanical and shape memory actuators. Journal of Materials Chemistry, 2010, 20, 3487. | 6.7 | 67 |
| 50 | Shape memory fiber supercapacitors. Nano Energy, 2015, 17, 330-338. | 8.2 | 67 |
| 51 | Prospects of Supercritical Fluids in Realizing Grapheneâ€Based Functional Materials. Advanced Materials, 2016, 28, 2663-2691. | 11.1 | 66 |
| 52 | Thermo-electrical properties of PVAâ€“nanotube composite fibers. Polymer, 2007, 48, 4068-4074. | 1.8 | 65 |
| 53 | Flowing suspensions of carbon black with high electronic conductivity for flow applications: Comparison between carbons black and exhibition of specific aggregation of carbon particles. Carbon, 2017, 119, 10-20. | 5.4 | 65 |
| 54 | Fracture related mechanical properties of low and high graphene reinforcement of epoxy nanocomposites. Composites Science and Technology, 2017, 150, 194-204. | 3.8 | 65 |

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|---|---|---|---|
| 55 | High Yield Synthesis of Aspect Ratio Controlled Graphenic Materials from Anthracite Coal in Supercritical Fluids. ACS Nano, 2016, 10, 5293-5303. | 7.3 | 64 |
| 56 | Carbon nanotube fiber mats for microbial fuel cell electrodes. Bioresource Technology, 2017, 243, 1227-1231. | 4.8 | 63 |
| 57 | Liquid Crystallinity and Dimensions of Surfactant-Stabilized Sheets of Reduced Graphene Oxide. Journal of Physical Chemistry Letters, 2012, 3, 2425-2430. | 2.1 | 59 |
| 58 | Colloidal Structures from Bulk Demixing in Liquid Crystals. Langmuir, 2004, 20, 11336-11347. | 1.6 | 58 |
| 59 | Nematic droplets in aqueous dispersions of carbon nanotubes. Physical Review E, 2010, 82, 020702. | 0.8 | 57 |
| 60 | Electrospun lignin-based twisted carbon nanofibers for potential microelectrodes applications. Carbon, 2019, 145, 556-564. | 5.4 | 57 |
| 61 | Structural Characterization of Nanotube Fibers by X-ray Scattering. Journal of Nanoscience and Nanotechnology, 2001, 1, 125-128. | 0.9 | 56 |
| 62 | Damage detection of glass fiber reinforced composites using embedded PVAâ€“carbon nanotube (CNT) fibers. Composites Science and Technology, 2010, 70, 1733-1741. | 3.8 | 56 |
| 63 | Liquid crystals of carbon nanotubes and graphene. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120499. | 1.6 | 56 |
| 64 | Dispersion and orientation of single-walled carbon nanotubes in a chromonic liquid crystal. Liquid Crystals, 2013, 40, 1628-1635. | 0.9 | 52 |
| 65 | Novel phases and colloidal assemblies in liquid crystals. Current Opinion in Colloid and Interface Science, 1999, 4, 66-71. | 3.4 | 48 |
| 66 | Diblock copolymer stabilization of multi-wall carbon nanotubes in organic solvents and their use in composites. Carbon, 2006, 44, 3207-3212. | 5.4 | 46 |
| 67 | Dispersion and Film-Forming Properties of Poly(acrylic acid)-Stabilized Carbon Nanotubes. Langmuir, 2009, 25, 13206-13211. | 1.6 | 44 |
| 68 | Scalable process for the spinning of PVAâ€“carbon nanotube composite fibers. Journal of Applied Polymer Science, 2012, 125, E191. | 1.3 | 44 |
| 69 | Improved strain sensing performance of glass fiber polymer composites with embedded pre-stretched polyvinyl alcoholâ€“carbon nanotube fibers. Carbon, 2013, 59, 65-75. | 5.4 | 44 |
| 70 | Simultaneous Graphite Exfoliation and N Doping in Supercritical Ammonia. ACS Applied Materials & Interfaces, 2016, 8, 30964-30971. | 4.0 | 41 |
| 71 | Evidence for Newton Black Films between Adhesive Emulsion Droplets. Physical Review Letters, 1996, 77, 3248-3251. | 2.9 | 40 |
| 72 | Progress in understanding emulsion metastability and surface forces. Current Opinion in Colloid and Interface Science, 1999, 4, 223-230. | 3.4 | 40 |

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| 73 | Improved structure and highly conductive lignin-carbon fibers through graphene oxide liquid crystal. Carbon, 2020, 163, 120-127. | 5.4 | 39 |
| 74 | A conductive hydrogel based on alginate and carbon nanotubes for probing microbial electroactivity. Soft Matter, 2018, 14, 1434-1441. | 1.2 | 37 |
| 75 | Edge dislocations of colloidal chains suspended in a nematic liquid crystal. Europhysics Letters, 2001, 54, 175-181. | 0.7 | 36 |
| 76 | Conductivity and percolation of nanotube based polymer composites in extensional deformations. Polymer, 2012, 53, 183-187. | 1.8 | 36 |
| 77 | Optimized carbon nanotube fiber microelectrodes as potential analytical tools. Analytical and Bioanalytical Chemistry, 2007, 389, 499-505. | 1.9 | 35 |
| 78 | Electromechanical properties of nanotubeâ€“PVA composite actuator bimorphs. Nanotechnology, 2008, 19, 325501. | 1.3 | 34 |
| 79 | Highly piezoresistive hybrid MEMS sensors. Sensors and Actuators A: Physical, 2014, 209, 161-168. | 2.0 | 34 |
| 80 | Kinetics of fiber solidification. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18331-18335. | 3.3 | 33 |
| 81 | Conductive inks of graphitic nanoparticles from a sustainable carbon feedstock. Carbon, 2017, 111, 142-149. | 5.4 | 32 |
| 82 | Nonaqueous Liquid Crystal Emulsions. Langmuir, 2000, 16, 6724-6730. | 1.6 | 31 |
| 83 | Surfactant-Free Spinning of Composite Carbon Nanotube Fibers. Macromolecular Rapid Communications, 2006, 27, 1035-1038. | 2.0 | 31 |
| 84 | Discrimination of dopamine and ascorbic acid using carbon nanotube fiber microelectrodes. Physical Chemistry Chemical Physics, 2010, 12, 9993. | 1.3 | 31 |
| 85 | Conductivity anisotropy of assembled and oriented carbon nanotubes. Physical Review E, 2011, 84, 062701. | 0.8 | 31 |
| 86 | Wetting of Emulsions Droplets: From Macroscopic to Colloidal Scale. Physical Review Letters, 1997, 79, 3290-3293. | 2.9 | 29 |
| 87 | Influence of the spinning conditions on the structure and properties of polyamide 12/carbon nanotube composite fibers. Journal of Applied Polymer Science, 2009, 114, 3515-3523. | 1.3 | 27 |
| 88 | Cysteine residues reduce the severity of dopamine electrochemical fouling. Electrochimica Acta, 2016, 210, 622-629. | 2.6 | 27 |
| 89 | Rotational Diffusion of Monodisperse Liquid Crystal Droplets. Journal of Colloid and Interface Science, 1998, 200, 182-184. | 5.0 | 26 |
| 90 | Nanoscale surface of carbon nanotube fibers for medical applications: Structure and chemistry revealed by TOF-SIMS analysis. Applied Surface Science, 2006, 252, 6750-6753. | 3.1 | 26 |

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| 91 | Dispersion State and Fiber Toughness: Antibacterial Lysozymeâ€Single Walled Carbon Nanotubes. Advanced Functional Materials, 2013, 23, 6082-6090. | 7.8 | 26 |
| 92 | Phase Behavior of DNA-Based Dispersions containing Carbon Nanotubes: Effects of Added Polymers and Ionic Strength on Excluded Volume. Journal of Physical Chemistry C, 2012, 116, 9888-9894. | 1.5 | 25 |
| 93 | Lignin-graphene oxide inks for 3D printing of graphitic materials with tunable density. Nano Today, 2020, 33, 100881. | 6.2 | 25 |
| 94 | Wetâ€Spinning and Carbonization of Ligninâ€Polyvinyl Alcohol Precursor Fibers. Advanced Sustainable Systems, 2019, 3, 1900082. | 2.7 | 24 |
| 95 | Piezoelectric Fibers: Processing and Challenges. ACS Applied Materials & Interfaces, 2022, 14, 16961-16982. | 4.0 | 24 |
| 96 | Effect of the Rheological Properties of Carbon Nanotube Dispersions on the Processing and Properties of Transparent Conductive Electrodes. Langmuir, 2015, 31, 5928-5934. | 1.6 | 23 |
| 97 | 3D Printing Graphene Oxide Soft Robotics. ACS Nano, 2022, 16, 3664-3673. | 7.3 | 23 |
| 98 | Viscous Sintering Phenomena in Liquid-Liquid Dispersions. Physical Review Letters, 2000, 84, 2018-2021. | 2.9 | 22 |
| 99 | Shear Rheology Control of Wrinkles and Patterns in Graphene Oxide Films. Langmuir, 2018, 34, 2996-3002. | 1.6 | 22 |
| 100 | Adhesion between Pure and Mixed Surfactant Layers. Langmuir, 1999, 15, 4731-4739. | 1.6 | 21 |
| 101 | Fibers Do the Twist. Science, 2014, 343, 845-846. | 6.0 | 21 |
| 102 | Giant Permittivity Polymer Nanocomposites Obtained by Curing a Direct Emulsion. Langmuir, 2015, 31, 12231-12239. | 1.6 | 21 |
| 103 | Giant Electrostriction of Soft Nanocomposites Based on Liquid Crystalline Graphene. ACS Nano, 2018, 12, 1688-1695. | 7.3 | 21 |
| 104 | Integrated Electromechanical Transduction Schemes for Polymer MEMS Sensors. Micromachines, 2018, 9, 197. | 1.4 | 21 |
| 105 | ZnO/PVA Macroscopic Fibers Bearing Anisotropic Photonic Properties. Advanced Functional Materials, 2012, 22, 3994-4003. | 7.8 | 20 |
| 106 | Synthesis of a Conductive Copolymer and Phase Diagram of Its Suspension with Single-Walled Carbon Nanotubes by Microfluidic Technology. Macromolecules, 2015, 48, 7473-7480. | 2.2 | 20 |
| 107 | Inkjet Printing of Latexâ€Based Highâ€Energy Microcapacitors. Advanced Functional Materials, 2019, 29, 1901884. | 7.8 | 20 |
| 108 | Substantial Improvement of Nanotube Processability by Freeze-Drying. Journal of Nanoscience and Nanotechnology, 2007, 7, 2633-2639. | 0.9 | 19 |

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| 109 | Optical detection of individual ultra-short carbon nanotubes enables their length characterization down to 10â€‰nm. Scientific Reports, 2015, 5, 17093. | 1.6 | 19 |
| 110 | Giant Electrostrictive Response and Piezoresistivity of Emulsion Templated Nanocomposites. Langmuir, 2017, 33, 4528-4536. | 1.6 | 19 |
| 111 | Highly Concentrated Aqueous Dispersions of Carbon Nanotubes for Flexible and Conductive Fibers. Industrial & Engineering Chemistry Research, 2018, 57, 3554-3560. | 1.8 | 17 |
| 112 | Carbon Nanotube Fiber Microelectrodes: Design, Characterization, and Optimization. Journal of Nanoscience and Nanotechnology, 2007, 7, 3373-3377. | 0.9 | 16 |
| 113 | Engineering polymer MEMS using combined microfluidic pervaporation and micro-molding. Microsystems and Nanoengineering, 2018, 4, 15. | 3.4 | 16 |
| 114 | Orientational Order of Carbon Nanotube Guests in a Nematic Host Suspension of Colloidal Viral Rods. Physical Review Letters, 2012, 108, 247801. | 2.9 | 15 |
| 115 | Carbon Nanotube Microfiber Actuators with Reduced Stress Relaxation. Journal of Physical Chemistry C, 2016, 120, 6851-6858. | 1.5 | 15 |
| 116 | All-organic microelectromechanical systems integrating electrostrictive nanocomposite for mechanical energy harvesting. Nano Energy, 2018, 44, 1-6. | 8.2 | 15 |
| 117 | Carbon Nanotubes Induced Gelation of Unmodified Hyaluronic Acid. Langmuir, 2013, 29, 10247-10253. | 1.6 | 14 |
| 118 | Structuration of lignin-graphene oxide based carbon materials through liquid crystallinity. Carbon, 2019, 149, 297-306. | 5.4 | 14 |
| 119 | The effect of surface energy, adsorbed RGD peptides and fibronectin on the attachment and spreading of cells on multiwalled carbon nanotube papers. Carbon, 2011, 49, 2318-2333. | 5.4 | 13 |
| 120 | Conductivity of transparent electrodes made from interacting nanotubes. Applied Physics Letters, 2013, 103, 263106. | 1.5 | 13 |
| 121 | An effective in situ reduction strategy assisted by supercritical fluids for the preparation of graphene - polymer composites. Carbon, 2018, 139, 572-580. | 5.4 | 13 |
| 122 | How polymers lose memory with age. Soft Matter, 2014, 10, 8985-8991. | 1.2 | 12 |
| 123 | Inkjet Printed Multiâ€walled Carbon Nanotube Sensor for the Detection of Lead in Drinking Water. Electroanalysis, 2020, 32, 1533-1545. | 1.5 | 12 |
| 124 | Wet Spinning of CNT-based Fibers. , 2014, , 167-209. | | 11 |
| 125 | Dielectric Constant of Polymer Composites and the Routes to High-k or Low-k Nanocomposite Materials. , 2016, , 3-28. | | 11 |
| 126 | Waterborne Nanocomposites with Enhanced Breakdown Strength for High Energy Storage. ACS Applied Energy Materials, 2020, 3, 9107-9116. | 2.5 | 11 |

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| 127 | Oil coating of hydrophobic surfaces from aqueous media: Formation and kinetic study. Journal of Colloid and Interface Science, 2005, 286, 730-738. | 5.0 | 10 |
| 128 | Changes of morphology and properties of block copolymers induced by carbon nanotubes. Polymer, 2013, 54, 2285-2291. | 1.8 | 10 |
| 129 | Wetâ€Spun Bioelectronic Fibers of Imbricated Enzymes and Carbon Nanotubes for Efficient Microelectrodes. ChemElectroChem, 2015, 2, 1908-1912. | 1.7 | 10 |
| 130 | Thermoelectrical Memory of Polymer Nanocomposites. ACS Macro Letters, 2014, 3, 224-228. | 2.3 | 9 |
| 131 | Transparent electrodes made from carbon nanotube polyelectrolytes and application to acidic environments. Journal of Materials Research, 2015, 30, 2009-2017. | 1.2 | 9 |
| 132 | Dispersions and fibers of carbon nanotubes. Materials Research Society Symposia Proceedings, 2000, 633, 1211. | 0.1 | 8 |
| 133 | Oil Coating on Hydrophilic Surfaces from Emulsions and under Shear Flow. Langmuir, 2004, 20, 123-128. | 1.6 | 8 |
| 134 | A chemically reactive spinning dope for significant improvements in wet spun carbon nanotube fibres. Chemical Communications, 2013, 49, 3973. | 2.2 | 8 |
| 135 | Multiscale electrochemistry of hydrogels embedding conductive nanotubes. Chemical Science, 2015, 6, 3900-3905. | 3.7 | 8 |
| 136 | Microporous electrostrictive materials for vibrational energy harvesting. Multifunctional Materials, 2018, 1, 015004. | 2.4 | 8 |
| 137 | Nanosheet-Stabilized Emulsions: Near-Minimum Loading and Surface Energy Design of Conductive Networks. ACS Nano, 2022, 16, 1963-1973. | 7.3 | 8 |
| 138 | Absence of giant dielectric permittivity in graphene oxide materials. JPhys Materials, 2019, 2, 045002. | 1.8 | 7 |
| 139 | Liquid Crystal-Mediated 3D Printing Process to Fabricate Nano-Ordered Layered Structures. ACS Applied Materials & Interfaces, 2021, 13, 28627-28638. | 4.0 | 7 |
| 140 | Engineering hybrid nanotube wires for high-power biofuel cells. Nature Communications, 2010, 1, 1-7. | 5.8 | 6 |
| 141 | CHEMISTRY: New Gels for Mixing Immiscible Liquids. Science, 2005, 309, 2174-2175. | 6.0 | 5 |
| 142 | <I>A Special Section</I>: Selected Peer-Reviewed Papers from ChemOnTubes (April 2006,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 0.9 | 5 |
| 143 | Sensitivity of Carbon Nanotubes to the Storage of Stress in Polymers. Macromolecular Rapid Communications, 2011, 32, 1993-1997. | 2.0 | 5 |
| 144 | Investigation of the dynamics of growth of polymer materials obtained by combined pervaporation and micro-moulding. Soft Matter, 2016, 12, 1810-1819. | 1.2 | 5 |

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| 145 | Integration of a soft dielectric composite into a cantilever beam for mechanical energy harvesting, comparison between capacitive and triboelectric transducers. Scientific Reports, 2020, 10, 20681. | 1.6 | 5 |
| 146 | In situ control of graphene oxide dispersions with a small impedance sensor. Nanotechnology, 2021, 33, . | 1.3 | 5 |
| 147 | Fibers of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2001, 706, 1. | 0.1 | 4 |
| 148 | Dissolution Douce of Single Walled Carbon Nanotubes. AIP Conference Proceedings, 2005, , . | 0.3 | 4 |
| 149 | Publisher's Note: Conductivity anisotropy of assembled and oriented carbon nanotubes [Phys. Rev. E84, 062701 (2011)]. Physical Review E, 2012, 85, . | 0.8 | 4 |
| 150 | Temperature and electrical memory of polymer fibers. AIP Conference Proceedings, 2014, , . | 0.3 | 4 |
| 151 | TiO<sub>2</sub> Macroscopic Fibers with Enhanced Photocatalytic Properties Obtained through a Scaleâ€Up Semiâ€Industrial Process. Advanced Engineering Materials, 2015, 17, 36-44. | 1.6 | 4 |
| 152 | Characterization of Single-walled Carbon Nanotube Fibers and Correlation with Stretch Alignment. Materials Research Society Symposia Proceedings, 2004, 858, 237. | 0.1 | 2 |
| 153 | Complete study of a millifluidic flow battery using iodide and ferricyanide ions: modeling, effect of the flow and kinetics. Microfluidics and Nanofluidics, 2017, 21, 1. | 1.0 | 2 |
| 154 | Electrostrictive polymer composites based on liquid crystalline graphene for mechanical energy harvesting. , 2018, , . | | 1 |
| 155 | How to achieve a successful biaxial marriage. Science, 2018, 360, 712-713. | 6.0 | 1 |
| 156 | Liquid Crystal Emulsions. Journal of Dispersion Science and Technology, 2002, 23, 143-154. | 1.3 | 1 |
| 157 | ZnO/PVA Macroscopic Fibers Bearing Anisotropic Photonic Properties. Materials Research Society Symposia Proceedings, 2013, 1512, 1. | 0.1 | 0 |
| 158 | TiO2 Macroscopic Fibers Bearing Outstanding Photocatalytic Properties Obtained through an Integrative Chemistry-Based Scale-Up Semi-Industrial Process. Materials Research Society Symposia Proceedings, 2015, 1804, 7-12. | 0.1 | 0 |
| 159 | Nematic phase formation in suspensions of carbon nanotubes. Series in Sof Condensed Matter, 2016, , 775-796. | 0.1 | 0 |
| 160 | Electrostrictive polymer composites based on liquid crystalline graphene for mechanical energy harvesting. , 2018, , . | | 0 |
| 161 | Nanotube Composite Fibers. Journal of Fiber Science and Technology, 2007, 63, P.380-P.383. | 0.0 | 0 |
| 162 | Strain monitoring of cement-based materials with embedded polyvinyl alcohol - carbon nanotube (PVA-CNT) fibers. Frattura Ed Integrita Strutturale, 2017, 11, 61-73. | 0.5 | 0 |