

Edwin Hang Tong Teo

List of Publications by Year in descending order

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135
papers

7,420
citations

117625

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docs citations

136
times ranked

12886
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | From Bulk to Monolayer MoS ₂ : Evolution of Raman Scattering. <i>Advanced Functional Materials</i> , 2012, 22, 1385-1390. | 14.9 | 3,354 |
| 2 | High-quality monolayer superconductor NbSe ₂ grown by chemical vapour deposition. <i>Nature Communications</i> , 2017, 8, 394. | 12.8 | 290 |
| 3 | Growth of Large Single-Crystalline Two-Dimensional Boron Nitride Hexagons on Electropolished Copper. <i>Nano Letters</i> , 2014, 14, 839-846. | 9.1 | 275 |
| 4 | Biocompatible Hydroxylated Boron Nitride Nanosheets/Poly(vinyl alcohol) Interpenetrating Hydrogels with Enhanced Mechanical and Thermal Responses. <i>ACS Nano</i> , 2017, 11, 3742-3751. | 14.6 | 191 |
| 5 | Scalable Production of Few-Layer Boron Sheets by Liquid-Phase Exfoliation and Their Superior Supercapacitive Performance. <i>ACS Nano</i> , 2018, 12, 1262-1272. | 14.6 | 177 |
| 6 | Hexagonal Boron Nitride Thin Film for Flexible Resistive Memory Applications. <i>Advanced Functional Materials</i> , 2016, 26, 2176-2184. | 14.9 | 167 |
| 7 | High-Density 3D-Boron Nitride and 3D-Graphene for High-Performance Nano-“Thermal Interface Material. <i>ACS Nano</i> , 2017, 11, 2033-2044. | 14.6 | 152 |
| 8 | Controllable Synthesis of Highly Luminescent Boron Nitride Quantum Dots. <i>Small</i> , 2015, 11, 6491-6499. | 10.0 | 148 |
| 9 | Lightweight, Superelastic Boron Nitride/Polydimethylsiloxane Foam as Air Dielectric Substitute for Multifunctional Capacitive Sensor Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1909604. | 14.9 | 117 |
| 10 | Direct Observation of Indium Conductive Filaments in Transparent, Flexible, and Transferable Resistive Switching Memory. <i>ACS Nano</i> , 2017, 11, 1712-1718. | 14.6 | 83 |
| 11 | Band gap effects of hexagonal boron nitride using oxygen plasma. <i>Applied Physics Letters</i> , 2014, 104, . | 3.3 | 82 |
| 12 | Abrupt Stress Induced Transformation in Amorphous Carbon Films with a Highly Conductive Transition Phase. <i>Physical Review Letters</i> , 2008, 100, 176101. | 7.8 | 81 |
| 13 | Synthesis of aligned symmetrical multifaceted monolayer hexagonal boron nitride single crystals on resolidified copper. <i>Nanoscale</i> , 2016, 8, 2434-2444. | 5.6 | 81 |
| 14 | Low-Temperature in Situ Growth of Graphene on Metallic Substrates and Its Application in Anticorrosion. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 502-510. | 8.0 | 78 |
| 15 | Phonon Polaritons in Monolayers of Hexagonal Boron Nitride. <i>Advanced Materials</i> , 2019, 31, e1806603. | 21.0 | 73 |
| 16 | A systematic study of the atmospheric pressure growth of large-area hexagonal crystalline boron nitride film. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1650. | 5.5 | 72 |
| 17 | Reduced Graphene Oxide/Boron Nitride Composite Film as a Novel Binder-Free Anode for Lithium Ion Batteries with Enhanced Performances. <i>Electrochimica Acta</i> , 2015, 166, 197-205. | 5.2 | 69 |
| 18 | Localized emission from laser-irradiated defects in 2D hexagonal boron nitride. <i>2D Materials</i> , 2018, 5, 015010. | 4.4 | 65 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Trimethylamine Borane: A New Single-Source Precursor for Monolayer h-BN Single Crystals and h-BCN Thin Films. <i>Chemistry of Materials</i> , 2016, 28, 2180-2190. | 6.7 | 62 |
| 20 | Direct growth of nanocrystalline hexagonal boron nitride films on dielectric substrates. <i>Applied Physics Letters</i> , 2015, 106, . | 3.3 | 60 |
| 21 | Large Area Atomic Layers of the Charge Density Wave Conductor TiSe_2 . <i>Advanced Materials</i> , 2018, 30, 1704382. | 21.0 | 60 |
| 22 | 3D Graphene-Infused Polyimide with Enhanced Electrothermal Performance for Long-Term Flexible Space Applications. <i>Small</i> , 2015, 11, 6425-6434. | 10.0 | 59 |
| 23 | Engineering of High-Density Thin-Layer Graphite Foam-Based Composite Architectures with Superior Compressibility and Excellent Electromagnetic Interference Shielding Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41707-41716. | 8.0 | 55 |
| 24 | Configurable Three-Dimensional Boron Nitride-Carbon Architecture and Its Tunable Electronic Behavior with Stable Thermal Performances. <i>Small</i> , 2014, 10, 2992-2999. | 10.0 | 50 |
| 25 | Manipulating Coherent Light-Matter Interaction: Continuous Transition between Strong Coupling and Weak Coupling in MoS_2 Monolayer Coupled with Plasmonic Nanocavities. <i>Advanced Optical Materials</i> , 2019, 7, 1900857. | 7.3 | 48 |
| 26 | Facile Synthesis of Millimeter-Scale Vertically Aligned Boron Nitride Nanotube Forests by Template-Assisted Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2015, 27, 7156-7163. | 6.7 | 47 |
| 27 | A Carbon Nanomattress: A New Nanosystem with Intrinsic, Tunable, Damping Properties. <i>Advanced Materials</i> , 2007, 19, 2941-2945. | 21.0 | 44 |
| 28 | Core-shell CNT-Ni-Si nanowires as a high performance anode material for lithium ion batteries. <i>Carbon</i> , 2013, 63, 54-60. | 10.3 | 41 |
| 29 | Phonon localization around vacancies in graphene nanoribbons. <i>Diamond and Related Materials</i> , 2012, 23, 88-92. | 3.9 | 40 |
| 30 | Flexible Ultra-Wideband Terahertz Absorber Based on Vertically Aligned Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43671-43680. | 8.0 | 39 |
| 31 | Concurrent Inhibition and Redistribution of Spontaneous Emission from All Inorganic Perovskite Photonic Crystals. <i>ACS Photonics</i> , 2019, 6, 1331-1337. | 6.6 | 39 |
| 32 | Elastic Properties of 2D Ultrathin Tungsten Nitride Crystals Grown by Chemical Vapor Deposition. <i>Advanced Functional Materials</i> , 2019, 29, 1902663. | 14.9 | 37 |
| 33 | One-dimensional hexagonal boron nitride conducting channel. <i>Science Advances</i> , 2020, 6, eaay4958. | 10.3 | 37 |
| 34 | POSS enhanced 3D graphene - Polyimide film for atomic oxygen endurance in Low Earth Orbit space environment. <i>Polymer</i> , 2020, 191, 122270. | 3.8 | 37 |
| 35 | Thermal Conductivity Enhancement of Coaxial Carbon@Boron Nitride Nanotube Arrays. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14555-14560. | 8.0 | 35 |
| 36 | Plasma density induced formation of nanocrystals in physical vapor deposited carbon films. <i>Carbon</i> , 2011, 49, 1733-1744. | 10.3 | 34 |

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|----|--|------|-----------|
| 37 | Human Rett-derived neuronal progenitor cells in 3D graphene scaffold as an <i>in vitro</i> platform to study the effect of electrical stimulation on neuronal differentiation. Biomedical Materials (Bristol), 2018, 13, 034111. | 3.3 | 32 |
| 38 | Three-Dimensional Graphene: A Biocompatible and Biodegradable Scaffold with Enhanced Oxygenation. Advanced Healthcare Materials, 2016, 5, 1177-1191. | 7.6 | 31 |
| 39 | Optical and electro-optic anisotropy of epitaxial PZT thin films. Applied Physics Letters, 2015, 107, . | 3.3 | 30 |
| 40 | Coaxial carbon@boron nitride nanotube arrays with enhanced thermal stability and compressive mechanical properties. Nanoscale, 2016, 8, 11114-11122. | 5.6 | 30 |
| 41 | Multifunctional and highly compressive cross-linker-free sponge based on reduced graphene oxide and boron nitride nanosheets. Chemical Engineering Journal, 2017, 328, 825-833. | 12.7 | 30 |
| 42 | Field emission enhancement and microstructural changes of carbon films by single pulse laser irradiation. Carbon, 2011, 49, 1018-1024. | 10.3 | 29 |
| 43 | Carbon nanotube bumps for the flip chip packaging system. Nanoscale Research Letters, 2012, 7, 105. | 5.7 | 29 |
| 44 | A wafer-scale graphene and ferroelectric multilayer for flexible and fast-switched modulation applications. Nanoscale, 2015, 7, 14730-14737. | 5.6 | 26 |
| 45 | Vertically self-ordered orientation of nanocrystalline hexagonal boron nitride thin films for enhanced thermal characteristics. Nanoscale, 2015, 7, 18984-18991. | 5.6 | 26 |
| 46 | Re-ordering Chaotic Carbon: Origins and Application of Textured Carbon. Advanced Materials, 2012, 24, 4112-4123. | 21.0 | 25 |
| 47 | Mechanical properties of alternating high-low sp ³ content thick non-hydrogenated diamond-like amorphous carbon films. Diamond and Related Materials, 2007, 16, 1882-1886. | 3.9 | 24 |
| 48 | Quantitative, nanoscale mapping of sp ² percentage and crystal orientation in carbon multilayers. Carbon, 2009, 47, 94-101. | 10.3 | 24 |
| 49 | Superhydrophobic carbon nanotube/amorphous carbon nanosphere hybrid film. Diamond and Related Materials, 2009, 18, 1235-1238. | 3.9 | 21 |
| 50 | Concentric and Spiral Few-Layer Graphene: Growth Driven by Interfacial Nucleation vs Screw Dislocation. Chemistry of Materials, 2018, 30, 6858-6866. | 6.7 | 21 |
| 51 | Wafer-scale vertically aligned carbon nanotubes for broadband terahertz wave absorption. Carbon, 2019, 154, 503-509. | 10.3 | 20 |
| 52 | Thermal conductivity of nanocrystalline carbon films studied by pulsed photothermal reflectance. Carbon, 2012, 50, 1428-1431. | 10.3 | 19 |
| 53 | Microstructure and through-film electrical characteristics of vertically aligned amorphous carbon films. Diamond and Related Materials, 2011, 20, 290-293. | 3.9 | 18 |
| 54 | Flux-mediated diffuse mismatch model. Applied Physics Letters, 2010, 97, . | 3.3 | 17 |

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|----|--|------|-----------|
| 55 | Morphology-tunable assembly of periodically aligned Si nanowire and radial pn junction arrays for solar cell applications. Applied Surface Science, 2012, 258, 6169-6176. | 6.1 | 17 |
| 56 | Ultra-long wavelength Dirac plasmons in graphene capacitors. JPhys Materials, 2018, 1, 01LT02. | 4.2 | 17 |
| 57 | Light emission from localised point defects induced in GaN crystal by a femtosecond-pulsed laser. Optical Materials Express, 2018, 8, 2703. | 3.0 | 17 |
| 58 | Electrostatic Coupling in MoS ₂ /CuInP ₂ S ₆ Ferroelectric vdW Heterostructures. Advanced Functional Materials, 2022, 32, . | 14.9 | 17 |
| 59 | Effect of initial sp ³ content on bonding structure evolution of amorphous carbon upon pulsed laser annealing. Diamond and Related Materials, 2012, 30, 48-52. | 3.9 | 16 |
| 60 | A flexible and ultra-broadband terahertz wave absorber based on graphene-vertically aligned carbon nanotube hybrids. Journal of Materials Chemistry C, 2020, 8, 7244-7252. | 5.5 | 16 |
| 61 | The origin of preferred orientation during carbon film growth. Journal of Physics Condensed Matter, 2009, 21, 225003. | 1.8 | 15 |
| 62 | Interpillar phononics in pillared-graphene hybrid nanostructures. Journal of Applied Physics, 2011, 110, 083502. | 2.5 | 15 |
| 63 | The Electrochemical Response of Single Crystalline Copper Nanowires to Atmospheric Air and Aqueous Solution. Small, 2017, 13, 1603411. | 10.0 | 15 |
| 64 | Smoothing of wrinkles in CVD-grown hexagonal boron nitride films. Nanoscale, 2018, 10, 16243-16251. | 5.6 | 15 |
| 65 | Novel timed and self-resistive heating shape memory polymer hybrid for large area and energy efficient application. Carbon, 2018, 139, 626-634. | 10.3 | 15 |
| 66 | Double-Spiral Hexagonal Boron Nitride and Shear Strained Coalescence Boundary. Nano Letters, 2019, 19, 4229-4236. | 9.1 | 15 |
| 67 | Synthesis of Atomically Thin 1T-TaSe ₂ with a Strongly Enhanced Charge Density Wave Order. Advanced Functional Materials, 2020, 30, 2001903. | 14.9 | 15 |
| 68 | Boron nanosheets induced microstructure and charge transfer tailoring in carbon nanofibrous mats towards highly efficient water splitting. Nano Energy, 2021, 88, 106246. | 16.0 | 15 |
| 69 | Nano-patterning of through-film conductivity in anisotropic amorphous carbon induced using conductive atomic force microscopy. Carbon, 2011, 49, 2679-2682. | 10.3 | 14 |
| 70 | Composition-controlled synthesis and tunable optical properties of ternary boron carbonitride nanotubes. RSC Advances, 2017, 7, 12511-12517. | 3.6 | 14 |
| 71 | Monochromatic photoluminescence obtained from embedded ZnO nanodots in an ultrahard diamond-like carbon matrix. Diamond and Related Materials, 2008, 17, 167-170. | 3.9 | 13 |
| 72 | Phononic and structural response to strain in wurtzite-gallium nitride nanowires. Journal of Applied Physics, 2012, 111, 103506. | 2.5 | 13 |

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|----|--|------|-----------|
| 73 | Ferroelectric BiFeO ₃ thin-film optical modulators. Applied Physics Letters, 2016, 108, . | 3.3 | 12 |
| 74 | Tuning the Kapitza resistance in pillared-graphene nanostructures. Journal of Applied Physics, 2012, 111, . | 2.5 | 11 |
| 75 | Electrical properties of textured carbon film formed by pulsed laser annealing. Diamond and Related Materials, 2012, 23, 135-139. | 3.9 | 11 |
| 76 | Three-dimensional graphene based passively mode-locked fiber laser. Optics Express, 2014, 22, 31458. | 3.4 | 11 |
| 77 | Flexible thermal rectifier based on macroscopic PDMS@graphite composite film with asymmetric cone-shape interfaces. Carbon, 2018, 126, 464-471. | 10.3 | 11 |
| 78 | An effective thermal conductivity model for architected phase change material enhancer: Theoretical and experimental investigations. International Journal of Heat and Mass Transfer, 2021, 176, 121364. | 4.8 | 11 |
| 79 | Impact of the CNT growth process on gold metallization dedicated to RF interconnect applications. International Journal of Microwave and Wireless Technologies, 2010, 2, 463-469. | 1.9 | 10 |
| 80 | Nanostructured carbon films with oriented graphitic planes. Applied Physics Letters, 2011, 98, 123104. | 3.3 | 10 |
| 81 | Supercompressible Coaxial Carbon Nanotube@Graphene Arrays with Invariant Viscoelasticity over ~ 100 to 500 $^{\circ}\text{C}$ in Ambient Air. ACS Applied Materials & Interfaces, 2018, 10, 9688-9695. | 8.0 | 10 |
| 82 | Thermally Conductive and Leakage-Proof Phase-Change Materials Composed of Dense Graphene Foam and Paraffin for Thermal Management. ACS Applied Nano Materials, 2022, 5, 8362-8370. | 5.0 | 10 |
| 83 | Control of Nanoplane Orientation in voBN for High Thermal Anisotropy in a Dielectric Thin Film: A New Solution for Thermal Hotspot Mitigation in Electronics. ACS Applied Materials & Interfaces, 2017, 9, 7456-7464. | 8.0 | 9 |
| 84 | Strong electro-optically active Ni-substituted Pb(Zr _{0.35} Ti _{0.65})O ₃ thin films: toward integrated active and durable photonic devices. Journal of Materials Chemistry C, 2018, 6, 12919-12927. | 5.5 | 9 |
| 85 | Effect of loading fraction of three-dimensional graphene foam (3D-C) on thermal, mechanical, and shape memory properties of 3D-C/SMP composite. Materials Research Bulletin, 2021, 142, 111378. | 5.2 | 9 |
| 86 | Identifying the mechanisms of p-to-n conversion in unipolar graphene field-effect transistors. Nanotechnology, 2013, 24, 195202. | 2.6 | 8 |
| 87 | Tuning electro-optic susceptibility via strain engineering in artificial PZT multilayer films for high-performance broadband modulator. Applied Surface Science, 2017, 425, 1059-1065. | 6.1 | 8 |
| 88 | Gate voltage and temperature dependent Ti-graphene junction resistance toward straightforward p-n junction formation. Journal of Applied Physics, 2018, 124, . | 2.5 | 8 |
| 89 | Compounded effect of vacancy on interfacial thermal transport in diamond-graphene nanostructures. Diamond and Related Materials, 2011, 20, 1137-1142. | 3.9 | 7 |
| 90 | Thermal rectification reversal in carbon nanotubes. Journal of Applied Physics, 2012, 112, . | 2.5 | 7 |

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|-----|--|------|-----------|
| 91 | Thickness dependency of field emission in amorphous and nanostructured carbon thin films. <i>Nanoscale Research Letters</i> , 2012, 7, 286. | 5.7 | 7 |
| 92 | A corner reflector of graphene Dirac fermions as a phonon-scattering sensor. <i>Nature Communications</i> , 2019, 10, 2428. | 12.8 | 7 |
| 93 | On the recovery of 2DEG properties in vertically ordered h-BN deposited AlGaN/GaN heterostructures on Si substrate. <i>Applied Physics Express</i> , 2020, 13, 065508. | 2.4 | 7 |
| 94 | Effect of titanium nitride coating on physical properties of three-dimensional graphene. <i>Applied Surface Science</i> , 2015, 356, 399-407. | 6.1 | 6 |
| 95 | Investigation of electronic band structure and charge transfer mechanism of oxidized three-dimensional graphene as metal-free anodes material for dye sensitized solar cell application. <i>Chemical Physics Letters</i> , 2017, 685, 442-450. | 2.6 | 6 |
| 96 | A thermal study of amorphous and textured carbon and carbon nitride thin films via transient grating spectroscopy. <i>Carbon</i> , 2018, 130, 355-361. | 10.3 | 6 |
| 97 | Wafer-Scale Vertically Aligned Carbon Nanotubes Locked by In Situ Hydrogelation toward Strengthening Static and Dynamic Compressive Responses. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800024. | 3.6 | 6 |
| 98 | Landau Velocity for Collective Quantum Hall Breakdown in Bilayer Graphene. <i>Physical Review Letters</i> , 2018, 121, 136804. | 7.8 | 6 |
| 99 | Experimental characterization of three-dimensional Graphene's thermoacoustic response and its theoretical modelling. <i>Carbon</i> , 2020, 169, 382-394. | 10.3 | 6 |
| 100 | Mechanical properties of gradient pulse biased amorphous carbon film. <i>Thin Solid Films</i> , 2008, 516, 5364-5367. | 1.8 | 5 |
| 101 | Fabrication and Characterization of Multilayer Amorphous Carbon Films for Microcantilever Devices. <i>IEEE Sensors Journal</i> , 2008, 8, 616-620. | 4.7 | 5 |
| 102 | Enhancement of polyimide and 3D graphene-polyimide through thermoforming and its effect on mechanical properties and associated creep phenomenon. <i>Polymer Degradation and Stability</i> , 2016, 134, 237-244. | 5.8 | 5 |
| 103 | Effect of annealing temperature on physical properties of nanostructured TiN/3DG composite. <i>Materials and Design</i> , 2016, 90, 524-531. | 7.0 | 5 |
| 104 | Concentric dopant segregation in CVD-grown N-doped graphene single crystals. <i>Applied Surface Science</i> , 2018, 454, 121-129. | 6.1 | 5 |
| 105 | Imaging the defect distribution in 2D hexagonal boron nitride by tracing photogenerated electron dynamics. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 405106. | 2.8 | 5 |
| 106 | Nitrogen-mediated aligned growth of hexagonal BN films for reliable high-performance InSe transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4421-4431. | 5.5 | 5 |
| 107 | Versatile and scalable chemical vapor deposition of vertically aligned MoTe ₂ on reusable Mo foils. <i>Nano Research</i> , 2020, 13, 2371-2377. | 10.4 | 5 |
| 108 | A Flexible and Ultra-Wideband Terahertz Wave Absorber Based on Pyramid-Shaped Carbon Nanotube Array via Femtosecond Laser Microprocessing and Two-Step Transfer Technique. <i>Advanced Materials Interfaces</i> , 2022, 9, . | 3.7 | 5 |

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|-----|--|------|-----------|
| 109 | Vibratory response of diamond-like amorphous carbon cantilevers under different temperatures. <i>Diamond and Related Materials</i> , 2004, 13, 1980-1983. | 3.9 | 4 |
| 110 | Heat Dissipation Enhancement of 2.5D Package with 3D Graphene and 3D Boron Nitride Networks as Thermal Interface Material (TIM). , 2016, , . | | 4 |
| 111 | Dielectric dispersion and superior thermal characteristics in isotope-enriched hexagonal boron nitride thin films: evaluation as thermally self-dissipating dielectrics for GaN transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9558-9568. | 5.5 | 4 |
| 112 | Self-assembled Ni nanoclusters in a diamond-like carbon matrix. <i>International Journal of Nanotechnology</i> , 2007, 4, 424. | 0.2 | 3 |
| 113 | Characterization of CNT interconnection bumps implemented for 1st level flip chip packaging. , 2011, , . | | 3 |
| 114 | Thermal transport around tears in graphene. <i>Journal of Applied Physics</i> , 2011, 109, 043508-043508-6. | 2.5 | 3 |
| 115 | Microwave and Millimeter Wave Properties of Vertically-Aligned Single Wall Carbon Nanotubes Films. <i>Journal of Electronic Materials</i> , 2016, 45, 2433-2441. | 2.2 | 3 |
| 116 | Probing the Atomic Structures of Synthetic Monolayer and Bilayer Hexagonal Boron Nitride Using Electron Microscopy. <i>Applied Microscopy</i> , 2016, 46, 217-226. | 1.4 | 3 |
| 117 | 3D Porous Graphene Films with Large Area In-Plane Exterior Skins. <i>Advanced Materials Interfaces</i> , 2022, 9, . | 3.7 | 3 |
| 118 | A hairy-polymer/3D-foam hybrid for flexible high performance thermal gap filling applications in harsh environments. <i>RSC Advances</i> , 2017, 7, 39292-39298. | 3.6 | 2 |
| 119 | Boron Nitride Coated Three-Dimensional Graphene as an Electrically Insulating Electromagnetic Interference Shield. , 2019, , . | | 2 |
| 120 | Programmable morphing, electroactive porous shape memory polymer composites with battery-voltage Joule heating stimulated recovery. <i>APL Materials</i> , 2022, 10, 071109. | 5.1 | 2 |
| 121 | Thermal stability of nonhydrogenated multilayer amorphous carbon prepared by the filtered cathodic vacuum arc technique. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2007, 25, 421-424. | 2.1 | 1 |
| 122 | Microstructure and electrical properties of in-situ annealed carbon films. , 2010, , . | | 1 |
| 123 | Foams: Configurable Three-Dimensional Boron Nitride-Carbon Architecture and Its Tunable Electronic Behavior with Stable Thermal Performances (Small 15/2014). <i>Small</i> , 2014, 10, 2966-2966. | 10.0 | 1 |
| 124 | Reliability Studies of a Super-Durable 3-D-Foam-Based TIM for All Environments. <i>IEEE Transactions on Device and Materials Reliability</i> , 2018, 18, 273-278. | 2.0 | 1 |
| 125 | Carbon metal composite film deposited using novel Filtered Cathodic Vacuum Arc technique. , 2011, , . | | 0 |
| 126 | Carbon based multi-functional materials towards 3D system integration. Application to thermal and interconnect management. , 2012, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Formation of thick textured carbon film using filtered cathodic vacuum arc technique. , 2013, , . | | 0 |
| 128 | The influence of titanium nitride barrier layer on the properties of CNT bundles. , 2013, , . | | 0 |
| 129 | Growth of Carbon Nanotubes on Carbon/Cobalt Films with Different $\frac{sp^2}{sp^3}$ Ratios. Journal of Nanomaterials, 2013, 2013, 1-5. | 2.7 | 0 |
| 130 | Surface energy controlled growth of single crystalline two-dimensional hexagonal (h)-boron nitride. , 2014, , . | | 0 |
| 131 | Laser writing of localized color centers in hexagonal boron nitrides monolayers. , 2017, , . | | 0 |
| 132 | Anisotropic thermal conductivity of vertically self-ordered Nanocrystalline Boron Nitride thin films for thermal hotspot mitigation in electronics. , 2018, , . | | 0 |
| 133 | Guest Editorial Special Section on the Second Electron Devices Technology and Manufacturing (EDTM) Conference 2019. IEEE Journal of the Electron Devices Society, 2019, 7, 1200-1200. | 2.1 | 0 |
| 134 | Formation of Thick Textured Carbon Film Using Filtered Cathodic Vacuum Arc Technique. Nanoscience and Nanotechnology Letters, 2013, 5, 912-915. | 0.4 | 0 |
| 135 | EXPERIMENTAL INVESTIGATION ON HIGH HEAT FLUX SPRAY COOLING USING WATER ON COATED AND STRUCTURED SURFACES. , 2018, , . | | 0 |