

# Jean-François Brun

## List of Publications by Year in descending order

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20  
papers

572  
citations

687363

13  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

722  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Thermoelectric properties of bulk multi-walled carbon nanotube - poly(vinylidene fluoride) nanocomposites: Study of the structure/property relationships. <i>Synthetic Metals</i> , 2020, 269, 116525.  | 3.9 | 8         |
| 2  | Measurement of the thermal conductivity of flexible biosourced polymers using the 3-omega method. <i>Polymer Testing</i> , 2018, 70, 503-510.   | 4.8 | 7         |
| 3  | Evidence of interfacial charge trapping mechanism in polyaniline/reduced graphene oxide nanocomposites. <i>Applied Physics Letters</i> , 2015, 107, .   | 3.3 | 23        |
| 4  | Electrical and thermal transport properties of polyaniline/silver composites and their use as thermoelectric materials. <i>Synthetic Metals</i> , 2015, 199, 196-204.   | 3.9 | 47        |
| 5  | Transport and thermoelectric properties of polyaniline/reduced graphene oxide nanocomposites. <i>Nanotechnology</i> , 2014, 25, 475705.   | 2.6 | 33        |
| 6  | Infrared optical properties of $\gamma$ -alumina with the approach to melting: $\beta$ -like tetrahedral structure and small polaron conduction. <i>Journal of Applied Physics</i> , 2013, 114, .   | 2.5 | 16        |
| 7  | Carbon nanotube-polyaniline nanohybrids: Influence of the carbon nanotube characteristics on the morphological, spectroscopic, electrical and thermoelectric properties. <i>Synthetic Metals</i> , 2012, 162, 1348-1356.  | 3.9 | 79        |
| 8  | Horizontally-aligned carbon nanotubes arrays and their interactions with liquid crystal molecules: Physical characteristics and display applications. <i>AIP Advances</i> , 2012, 2, .  | 1.3 | 9         |
| 9  | Electro-optic and dielectric properties of optical switching devices based on liquid crystal dispersions and driven by conducting polymer [poly(3,4-ethylene dioxythiophene):polystyrene sulfonate (PEDOT:PSS)]-coated electrodes. <i>Journal of Applied Physics</i> , 2010, 108, . | 2.5 | 28        |
| 10 | Fast X-ray scattering measurements on high temperature levitated liquids. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5104-5107.  | 3.1 | 11        |
| 11 | Longitudinal excitations in Mg $\gamma$ -Al $\gamma$ -O refractory oxide melts studied by inelastic x-ray scattering. <i>Journal of Chemical Physics</i> , 2007, 126, 114505.   | 3.0 | 12        |
| 12 | Structure and dynamics of levitated liquid aluminates. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 1705-1712.   | 3.1 | 17        |
| 13 | Ab-initio molecular dynamics simulations of the structure of liquid aluminates. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 1789-1792.  | 3.1 | 24        |
| 14 | Structure and dynamics of levitated liquid materials. <i>Pure and Applied Chemistry</i> , 2007, 79, 1643-1652.  | 1.9 | 7         |
| 15 | Structural properties of molten dilute aluminium-transition metal alloys. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 6469-6480.   | 1.8 | 3         |
| 16 | Levitation apparatus for neutron diffraction investigations on high temperature liquids. <i>Review of Scientific Instruments</i> , 2006, 77, 053903.  | 1.3 | 70        |
| 17 | Polar lattice dynamics of the MgAl $\gamma$ 2O $\gamma$ 4 spinel up to the liquid state. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 5669-5686.  | 1.8 | 27        |
| 18 | Temperature Measurement: Christiansen Wavelength and Blackbody Reference. <i>International Journal of Thermophysics</i> , 2005, 26, 1277-1286.  | 2.1 | 69        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Contribution of Semi-Quantum Dielectric Function Models to the Analysis of Infrared Spectra. Applied Spectroscopy, 2004, 58, 969-974. | 2.2 | 62        |
| 20 | Dispersion Relations and Phase Retrieval in Infrared Reflection Spectra Analysis. Applied Spectroscopy, 2001, 55, 774-780.            | 2.2 | 20        |