Jean-FranÃ§ois Brun

List of Publications by Year
in descending order

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	Carbon nanotube-polyaniline nanohybrids: Influence of the carbon nanotube characteristics on the morphological, spectroscopic, electrical and thermoelectric properties. Synthetic Metals, 2012, 162, 1348-1356.	3.9	79
2	Levitation apparatus for neutron diffraction investigations on high temperature liquids. Review of Scientific Instruments, 2006, 77, 053903.	1.3	70
3	Temperature Measurement: Christiansen Wavelength and Blackbody Reference. International Journal of Thermophysics, 2005, 26, 1277-1286.	2.1	69
4	Contribution of Semi-Quantum Dielectric Function Models to the Analysis of Infrared Spectra. Applied Spectroscopy, 2004, 58, 969-974.	2.2	62
5	Electrical and thermal transport properties of polyaniline/silver composites and their use as thermoelectric materials. Synthetic Metals, 2015, 199, 196-204.	3.9	47
6	Transport and thermoelectric properties of polyaniline/reduced graphene oxide nanocomposites. Nanotechnology, 2014, 25, 475705.	2.6	33
7	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. Journal of Applied Physics, 2010, 108, .	2.5	28
8	Polar lattice dynamics of the MgAl2O4spinel up to the liquid state. Journal of Physics Condensed Matter, 2006, 18, 5669-5686.	1.8	27
9	Ab-initio molecular dynamics simulations of the structure of liquid aluminates. Journal of Non-Crystalline Solids, 2007, 353, 1789-1792.	3.1	24
10	Evidence of interfacial charge trapping mechanism in polyaniline/reduced graphene oxide nanocomposites. Applied Physics Letters, 2015, 107, .	3.3	23
11	Dispersion Relations and Phase Retrieval in Infrared Reflection Spectra Analysis. Applied Spectroscopy, 2001, 55, 774-780.	2.2	20
12	Structure and dynamics of levitated liquid aluminates. Journal of Non-Crystalline Solids, 2007, 353, 1705-1712.	3.1	17
13	Infrared optical properties of Î±-alumina with the approach to melting: Î³-like tetrahedral structure and small polaron conduction. Journal of Applied Physics, 2013, 114, .	2.5	16
14	Longitudinal excitations in Mgâ€“Alâ€“O refractory oxide melts studied by inelastic x-ray scattering. Journal of Chemical Physics, 2007, 126, 114505.	3.0	12
15	Fast X-ray scattering measurements on high temperature levitated liquids. Journal of Non-Crystalline Solids, 2008, 354, 5104-5107.	3.1	11
16	Horizontally-aligned carbon nanotubes arrays and their interactions with liquid crystal molecules: Physical characteristics and display applications. AIP Advances, 2012, 2, .	1.3	9
17	Thermoelectric properties of bulk multi-walled carbon nanotube - poly(vinylidene fluoride) nanocomposites: Study of the structure/property relationships. Synthetic Metals, 2020, 269, 116525.	3.9	8
18	Structure and dynamics of levitated liquid materials. Pure and Applied Chemistry, 2007, 79, 1643-1652.	1.9	7

#	Article	IF	Citations
19	Measurement of the thermal conductivity of flexible biosourced polymers using the 3-omega method. Polymer Testing, 2018, 70, 503-510.	4.8	7
20	Structural properties of molten dilute aluminiumâ€“transition metal alloys. Journal of Physics Condensed Matter, 2006, 18, 6469-6480.	1.8	3