

Sylvain Jacques

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

405
citations

932766

10
h-index

996533

15
g-index

15
all docs

15
docs citations

15
times ranked

390
citing authors

#	ARTICLE	IF	CITATIONS
1	LPCVD and characterization of boron-containing pyrocarbon materials. Carbon, 1996, 34, 1135-1143.	5.4	139
2	SiC/SiC minicomposites with structure-graded BN interphases. Journal of the European Ceramic Society, 2000, 20, 1929-1938.	2.8	60
3	Deposition and characterization of hex-BN coating on carbon fibres using tris(dimethylamino)borane precursor. Journal of the European Ceramic Society, 2007, 27, 2737-2743.	2.8	37
4	Synthesis and properties of macroporous SiC ceramics synthesized by 3D printing and chemical vapor infiltration/deposition. Journal of the European Ceramic Society, 2020, 40, 2834-2854.	2.8	37
5	Complex geometry macroporous SiC ceramics obtained by 3D-printing, polymer impregnation and pyrolysis (PIP) and chemical vapor deposition (CVD). Journal of the European Ceramic Society, 2021, 41, 3274-3284.	2.8	28
6	Oxidation/corrosion of BN-based coatings as prospective interphases for SiC/SiC composites. Journal of the European Ceramic Society, 2021, 41, 3120-3131.	2.8	25
7	Multilayered BN Coatings Processed by a Continuous LPCVD Treatment onto Hi-Nicalon Fibers. Journal of Solid State Chemistry, 2001, 162, 358-363.	1.4	16
8	Low pressure chemical vapour deposition of BN: Relationship between gas phase chemistry and coating microstructure. Thin Solid Films, 2018, 664, 106-114.	0.8	13
9	Synthesis and properties of multiscale porosity TiC-SiC ceramics. Journal of the European Ceramic Society, 2019, 39, 2601-2616.	2.8	13
10	Experimental study of the chemical vapor deposition from CH ₃ SiHCl ₂ /H ₂ : Application to the synthesis of monolithic SiC tubes. Surface and Coatings Technology, 2013, 230, 137-144.	2.2	11
11	Reactive Chemical Vapour Deposition of Titanium Carbide from H ₂ -TiCl ₄ Gas Mixture on Pyrocarbon: A Comprehensive Study. Physics Procedia, 2013, 46, 79-87.	1.2	8
12	TEM characterization of turbostratic and rhombohedral BN interphases synthesized by chemical vapour infiltration in SiC/SiC-Si composites. Materials Characterization, 2021, 172, 110857.	1.9	7
13	Identification of Complex Oxidation/Corrosion Behaviours of Boron Nitride Under High Temperature. Oxidation of Metals, 2017, 88, 247-256.	1.0	5
14	Synthesis of TiC from porous carbon coating on Si-C-O (Nicalon) fibres by reactive chemical vapour deposition in pressure-pulsed mode or at atmospheric pressure. Journal of Materials Science, 2010, 45, 6747-6756.	1.7	4
15	Consolidation and conversion of carbon powders into TiC by reactive chemical vapour infiltration. Journal of the European Ceramic Society, 2016, 36, 481-488.	2.8	2