Anne Sophie Loir

List of Publications by Year
in descending order

38	916	394421 19	477307 29
papers	citations	h-index	g-index

39	39	39	1175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Boron doped graphene synthesis using pulsed laser deposition and its electrochemical characterization. Diamond and Related Materials, 2021, 115, 108382.	3.9	7
2	Transfer-free graphene synthesis by nickel catalyst dewetting using rapid thermal annealing. Applied Surface Science, 2021, 555, 149492.	6.1	10
3	Boron-doped graphene synthesis by pulsed laser co-deposition of carbon and boron. Applied Surface Science, 2020, 513, 145843.	6.1	17
4	Raman study of the substrate influence on graphene synthesis using a solid carbon source via rapid thermal annealing. Journal of Raman Spectroscopy, 2019, 50, 1630-1641.	2.5	57
5	Graphene synthesis on SiO2 using pulsed laser deposition with bilayer predominance. Materials Chemistry and Physics, 2019, 238, 121905.	4.0	13
6	Dynamics of carbon diffusion and segregation through nickel catalyst, investigated by in-situ XPS, during the growth of nitrogen-doped graphene. Carbon, 2019, 155, 410-420.	10.3	31
7	Electroanalytical Performance of Nitrogen-Doped Graphene Films Processed in One Step by Pulsed Laser Deposition Directly Coupled with Thermal Annealing. Materials, 2019, 12, 666.	2.9	13
8	Review of Graphene Growth From a Solid Carbon Source by Pulsed Laser Deposition (PLD). Frontiers in Chemistry, 2018, 6, 572.	3.6	78
9	Surface enhanced Raman spectroscopy platform based on graphene with one-year stability. Thin Solid Films, 2016, 604, 74-80.	1.8	17
10	Structure, electrochemical properties and functionalization of amorphous CN films deposited by femtosecond pulsed laser ablation. Diamond and Related Materials, 2016, 65, 17-25.	3.9	9
11	Robust Electrografting on Self-Organized 3D Graphene Electrodes. ACS Applied Materials & Interfaces, 2016, 8, 1424-1433.	8.0	50
12	Effect of nitrogen surrounding gas and plasma assistance on nitrogen incorporation in a-C:N films by femtosecond pulsed laser deposition. Applied Surface Science, 2016, 374, 104-111.	6.1	11
13	High N-content a-C:N films elaborated by femtosecond PLD with plasma assistance. Applied Surface Science, 2015, 332, 346-353.	6.1	10
14	In situ diagnostic of the size distribution of nanoparticles generated by ultrashort pulsed laser ablation in vacuum. Applied Physics Letters, 2014, 104, 104101.	3.3	10
15	Graphene-based textured surface by pulsed laser deposition as a robust platform for surface enhanced Raman scattering applications. Applied Physics Letters, 2014, 104, 041912.	3.3	30
16	Control of the Graphite Femtosecond Ablation Plume Kinetics by Temporal Laser Pulse Shaping: Effects on Pulsed Laser Deposition of Diamond-Like Carbon. Journal of Physical Chemistry C, 2014, 118, 4377-4385.	3.1	21
17	Temporal pulse shaping effects on aluminium and boron ablation plumes generated by ultrashort pulsed laser ablation and analyzed by time- and space-resolved optical spectroscopy. Applied Surface Science, 2012, 258, 9374-9378.	6.1	13
18	Electrochemical Boron-Doped Diamond Film Microcells Micromachined with Femtosecond Laser: Application to the Determination of Water Framework Directive Metals. Analytical Chemistry, 2012, 84, 4805-4811.	6.5	42

#	Article	IF	Citations
19	Electrochemical performances of B doped and undoped diamond-like carbon (DLC) films deposited by femtosecond pulsed laser ablation for heavy metal detection using square wave anodic stripping voltammetric (SWASV) technique. Sensors and Actuators B: Chemical, 2011, 155, 120-125.	7.8	50
20	Depth-dependence of electrical conductivity of diamondlike carbon films. Applied Physics Letters, 2010, 96, .	3.3	5
21	Structure of diamondlike carbon films deposited by femtosecond and nanosecond pulsed laser ablation. Journal of Applied Physics, 2010, 108, .	2.5	39
22	Structural and electrical characterization of boron-containing diamond-like carbon films deposited by femtosecond pulsed laser ablation. Solid State Sciences, 2009, 11, 1738-1741.	3.2	15
23	Electrical properties of boron-doped diamond-like carbon thin films deposited by femtosecond pulsed laser ablation. Applied Physics A: Materials Science and Processing, 2009, 94, 105-109.	2.3	20
24	Effect of boron incorporation on the structure and electrical properties of diamond-like carbon films deposited by femtosecond and nanosecond pulsed laser ablation. Thin Solid Films, 2009, 518, 1470-1474.	1.8	18
25	Duplex SiCN/DLC coating as a solution to improve frettingâ€"Corrosion resistance of steel. Wear, 2009, 266, 832-838.	3.1	26
26	Adaptive control of femtosecond laser ablation plasma emission. Applied Surface Science, 2009, 255, 5163-5166.	6.1	29
27	Study of the Si Chemical Bonding and the Semiconductive Behavior of SiCN Coatings and their Correlation with Anti-Corrosion Properties. Plasma Processes and Polymers, 2007, 4, 173-179.	3.0	12
28	Hopping current density in amorphous carbon/crystalline silicon heterojunctions. Journal of Non-Crystalline Solids, 2006, 352, 1421-1424.	3.1	10
29	Study of different carbon materials for amperometric enzyme biosensor development. Materials Science and Engineering C, 2006, 26, 564-567.	7.3	17
30	Analysis of the corrosion protective ability of PACVD silica-based coatings deposited on steel. Surface and Coatings Technology, 2006, 201, 347-352.	4.8	36
31	Nickel-incorporated amorphous carbon film deposited by femtosecond pulsed laser ablation. Thin Solid Films, 2005, 482, 287-292.	1.8	50
32	Mechanical and tribological characterization of tetrahedral diamond-like carbon deposited by femtosecond pulsed laser deposition on pre-treated orthopaedic biomaterials. Applied Surface Science, 2005, 247, 225-231.	6.1	39
33	Optical properties of high-density amorphous carbon films grown by nanosecond and femtosecond pulsed laser ablation. Applied Physics A: Materials Science and Processing, 2005, 81, 471-476.	2.3	32
34	Ã‰laboration de couches minces de carbone par ablation laser femtoseconde pour application aux biomatÃ©riaux implantables. European Physical Journal Special Topics, 2005, 127, 193-197.	0.2	0
35	Deposition of tetrahedral diamond-like carbon thin films by femtosecond laser ablation for applications of hip joints. Thin Solid Films, 2004, 453-454, 531-536.	1.8	22
36	Study of plasma expansion induced by femtosecond pulsed laser ablation and deposition of diamond-like carbon films. Applied Surface Science, 2003, 208-209, 553-560.	6.1	30

#	Article	IF	Citations
37	Ablation laser femtoseconde pour le dÃ©pÃ´t de DLC. European Physical Journal Special Topics, 2003, 108, 33-36.	0.2	0
38	X-ray photoelectron spectroscopy study of carbon nitride coatings deposited by IR laser ablation in a remote nitrogen plasma atmosphere. Surface and Interface Analysis, 2001, 31, 815-824.	1.8	26