

Antnio J S Fernandes

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146
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2,724
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152
ext. papers

3,169
ext. citations

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avg, IF

5.09
L-index

#	Paper	IF	Citations
146	Laser-Induced Graphene Strain Sensors Produced by Ultraviolet Irradiation of Polyimide. <i>Advanced Functional Materials</i> , 2018 , 28, 1805271	15.6	125
145	Reactive sputtering deposition of photocatalytic TiO ₂ thin films on glass substrates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 138, 139-143	3.1	63
144	Friction and wear performance of HFCVD nanocrystalline diamond coated silicon nitride ceramics. <i>Diamond and Related Materials</i> , 2006 , 15, 739-744	3.5	60
143	Tuning the surface chemistry of graphene flakes: new strategies for selective oxidation. <i>RSC Advances</i> , 2017 , 7, 14290-14301	3.7	51
142	Very Large Superconducting Currents Induced by Growth Tailoring. <i>Crystal Growth and Design</i> , 2015 , 15, 2094-2101	3.5	50
141	Effect of processing method on physical properties of Nb ₂ O ₅ . <i>Journal of the European Ceramic Society</i> , 2011 , 31, 501-506	6	49
140	Growth rate improvements in the hot-filament CVD deposition of nanocrystalline diamond. <i>Diamond and Related Materials</i> , 2006 , 15, 1822-1827	3.5	48
139	Microwave plasma chemical vapour deposition diamond nucleation on ferrous substrates with Ti and Cr interlayers. <i>Diamond and Related Materials</i> , 2002 , 11, 1617-1622	3.5	48
138	Nano to micrometric HFCVD diamond adhesion strength to Si ₃ N ₄ . <i>Vacuum</i> , 2007 , 81, 1443-1447	3.7	47
137	Adhesion behaviour assessment on diamond coated silicon nitride by acoustic emission. <i>Diamond and Related Materials</i> , 2003 , 12, 733-737	3.5	46
136	Thermoelectric performance of Nb-doped SrTiO ₃ enhanced by reduced graphene oxide and Sr deficiency cooperation. <i>Carbon</i> , 2019 , 143, 215-222	10.4	42
135	YSZ:Dy ³⁺ single crystal white emitter. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15262		41
134	Effect of nitrogen and oxygen addition on morphology and texture of diamond films (from polycrystalline to nanocrystalline). <i>Diamond and Related Materials</i> , 2008 , 17, 72-78	3.5	41
133	PVD-Grown photocatalytic TiO ₂ thin films on PVDF substrates for sensors and actuators applications. <i>Thin Solid Films</i> , 2008 , 517, 1161-1166	2.2	41
132	CVD diamond coated silicon nitride self-mated systems: tribological behaviour under high loads. <i>Tribology Letters</i> , 2006 , 21, 141-151	2.8	41
131	Identification of microplastics in white wines capped with polyethylene stoppers using micro-Raman spectroscopy. <i>Food Chemistry</i> , 2020 , 331, 127323	8.5	39
130	CVD micro/nanocrystalline diamond (MCD/NCD) bilayer coated odontological drill bits. <i>Diamond and Related Materials</i> , 2009 , 18, 264-270	3.5	38

129	A new interlayer approach for CVD diamond coating of steel substrates. <i>Diamond and Related Materials</i> , 2004 , 13, 828-833	3.5	36
128	Influence of nucleation density on film quality, growth rate and morphology of thick CVD diamond films. <i>Diamond and Related Materials</i> , 2003 , 12, 1488-1494	3.5	36
127	Laser-Induced Graphene from Paper for Mechanical Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 10210-10221	9.5	36
126	Polyoxometalate-graphene Electrocatalysts for the Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2018 , 5, 273-283	4.3	36
125	Machining hardmetal with CVD diamond direct coated ceramic tools: effect of tool edge geometry. <i>Diamond and Related Materials</i> , 2005 , 14, 651-656	3.5	35
124	Wear resistant CVD diamond tools for turning of sintered hardmetals. <i>Diamond and Related Materials</i> , 2003 , 12, 738-743	3.5	35
123	Red light from ZrO ₂ :Eu ³⁺ nanostructures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 712-716	3.1	34
122	A comparison study of hydrogen incorporation among nanocrystalline, microcrystalline and polycrystalline diamond films grown by chemical vapor deposition. <i>Thin Solid Films</i> , 2007 , 515, 3539-3546 ^{2.2}	2.2	34
121	A new elegant technique for polishing CVD diamond films. <i>Diamond and Related Materials</i> , 2003 , 12, 1411-1416	3.5	34
120	Photonic smart bandage for wound healing assessment. <i>Photonics Research</i> , 2021 , 9, 272	6	32
119	Structural and optical properties of europium doped zirconia single crystals fibers grown by laser floating zone. <i>Journal of Applied Physics</i> , 2011 , 109, 013516	2.5	31
118	Biphasic apatite-carbon materials derived from pyrolysed fish bones for effective adsorption of persistent pollutants and heavy metals. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 4884-4894 ^{6.8}	6.8	30
117	Hot-filament chemical vapour deposition of nanodiamond on silicon nitride substrates. <i>Diamond and Related Materials</i> , 2004 , 13, 643-647	3.5	30
116	Enhanced sealing performance with CVD nanocrystalline diamond films in self-mated mechanical seals. <i>Diamond and Related Materials</i> , 2008 , 17, 1132-1136	3.5	29
115	Enhanced performance of HFCVD nanocrystalline diamond self-mated tribosystems by plasma pretreatments on silicon nitride substrates. <i>Diamond and Related Materials</i> , 2006 , 15, 2024-2028	3.5	29
114	Grain size effect on self-mated CVD diamond dry tribosystems. <i>Wear</i> , 2005 , 259, 771-778	3.5	29
113	Nano- and micro-crystalline diamond growth by MPCVD in extremely poor hydrogen uniform plasmas. <i>Diamond and Related Materials</i> , 2007 , 16, 757-761	3.5	28
112	High performance sealing with CVD diamond self-mated rings. <i>Diamond and Related Materials</i> , 2005 , 14, 617-621	3.5	26

111	Tribological behaviour of CVD diamond films on steel substrates. <i>Wear</i> , 2003 , 255, 846-853	3.5	26
110	Wettability studies of reactive brazing alloys on CVD diamond plates. <i>Diamond and Related Materials</i> , 2001 , 10, 775-780	3.5	25
109	Laser-Induced Graphene Piezoresistive Sensors Synthesized Directly on Cork Insoles for Gait Analysis. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000630	6.8	24
108	ZnO nanostructures grown on vertically aligned carbon nanotubes by laser-assisted flow deposition. <i>Acta Materialia</i> , 2012 , 60, 5143-5150	8.4	24
107	HFCVD diamond deposition parameters optimized by a Taguchi Matrix. <i>Vacuum</i> , 2011 , 85, 701-704	3.7	24
106	Adhesion of diamond coatings on steel and copper with a titanium interlayer. <i>Diamond and Related Materials</i> , 1999 , 8, 1549-1554	3.5	24
105	Diels-Alder functionalized carbon nanotubes for bone tissue engineering: in vitro/in vivo biocompatibility and biodegradability. <i>Nanoscale</i> , 2015 , 7, 9238-51	7.7	23
104	Mechanical performance upgrading of CVD diamond using the multilayer strategy. <i>Surface and Coatings Technology</i> , 2013 , 236, 380-387	4.4	23
103	Potentiometric chemical sensors from lignin-poly(propylene oxide) copolymers doped by carbon nanotubes. <i>Analyst, The</i> , 2013 , 138, 501-8	5	23
102	Cutting forces evolution with tool wear in sintered hardmetal turning with CVD diamond. <i>Diamond and Related Materials</i> , 2004 , 13, 843-847	3.5	23
101	Colossal dielectric constant of poly- and single-crystalline CaCu ₃ Ti ₄ O ₁₂ fibres grown by the laser floating zone technique. <i>Acta Materialia</i> , 2011 , 59, 102-111	8.4	22
100	Dry machining of silicon/aluminium alloys with CVD diamond brazed and directly coated Si ₃ N ₄ ceramic tools. <i>Vacuum</i> , 2008 , 82, 1407-1410	3.7	22
99	Thermal conductivity enhancement in cutting tools by chemical vapor deposition diamond coating. <i>Diamond and Related Materials</i> , 2002 , 11, 703-707	3.5	22
98	A review on the laser-assisted flow deposition method: growth of ZnO micro and nanostructures. <i>CrystEngComm</i> , 2019 , 21, 1071-1090	3.3	21
97	Strain analysis of photocatalytic TiO ₂ thin films on polymer substrates. <i>Thin Solid Films</i> , 2008 , 516, 1434-1438	4.3	21
96	Towards efficient oxygen reduction reaction electrocatalysts through graphene doping. <i>Electrochimica Acta</i> , 2019 , 319, 72-81	6.7	20
95	Bright room-temperature green luminescence from YSZ:Tb ³⁺ . <i>Materials Letters</i> , 2011 , 65, 1979-1981	3.3	20
94	Single and polycrystalline mullite fibres grown by laser floating zone technique. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 3311-3318	6	20

93	CVD diamond water lubricated tribosystems for high load planar sliding. <i>Wear</i> , 2008 , 265, 1023-1028	3.5	20
92	Residual stress minimum in nanocrystalline diamond films. <i>Applied Physics Letters</i> , 2006 , 89, 093109	3.4	20
91	Tailored Si ₃ N ₄ Ceramic Substrates for CVD Diamond Coating. <i>Surface Engineering</i> , 2003 , 19, 410-416	2.6	20
90	Surface Pretreatments of Silicon Nitride for CVD Diamond Deposition. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 749-754	3.8	20
89	Optical properties of LFZ grown EGa ₂ O ₃ :Eu ³⁺ fibres. <i>Applied Surface Science</i> , 2012 , 258, 9157-9161	6.7	19
88	Nanocrystalline CVD diamond coatings for drilling of WC-Co parts. <i>International Journal of Refractory Metals and Hard Materials</i> , 2011 , 29, 618-622	4.1	19
87	Effect of microwave power and nitrogen addition on the formation of {100} faceted diamond from microcrystalline to nanocrystalline. <i>Vacuum</i> , 2011 , 85, 1130-1134	3.7	19
86	Influence of nucleation on hydrogen incorporation in CVD diamond films. <i>Diamond and Related Materials</i> , 2002 , 11, 527-531	3.5	19
85	Influence of SiC particle addition on the nucleation density and adhesion strength of MPCVD diamond coatings on Si ₃ N ₄ substrates. <i>Diamond and Related Materials</i> , 2000 , 9, 483-488	3.5	19
84	MPCVD diamond tool cutting-edge coverage: dependence on the side wedge angle. <i>Diamond and Related Materials</i> , 2001 , 10, 803-808	3.5	19
83	Study the effect of O ₂ addition on hydrogen incorporation in CVD diamond. <i>Diamond and Related Materials</i> , 2004 , 13, 203-208	3.5	18
82	ZnO decorated laser-induced graphene produced by direct laser scribing. <i>Nanoscale Advances</i> , 2019 , 1, 3252-3268	5.1	17
81	A new chemical path for fabrication of nanocrystalline diamond films. <i>Journal of Crystal Growth</i> , 2008 , 310, 261-265	1.6	17
80	A critical review on the production and application of graphene and graphene-based materials in anti-corrosion coatings. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2021 , 1-48	10.1	17
79	Simultaneous CVD synthesis of graphene-diamond hybrid films. <i>Carbon</i> , 2016 , 98, 99-105	10.4	16
78	Growth of high quality large grained diamond films on mirror-polished silicon without surface pretreatment. <i>Diamond and Related Materials</i> , 2003 , 12, 251-256	3.5	16
77	New fluorinated diamond microelectrodes for localized detection of dissolved oxygen. <i>Sensors and Actuators B: Chemical</i> , 2014 , 204, 544-551	8.5	15
76	The assessment of chromophores in bleached cellulosic pulps employing UV-Raman spectroscopy. <i>Carbohydrate Research</i> , 2010 , 345, 1442-51	2.9	15

75	Direct Synthesis of Electrowettable Carbon NanowallDiamond Hybrid Materials from Sacrificial Ceramic Templates Using HFCVD. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700019	4.6	14
74	Directionally solidified eutectic and off-eutectic mulliteZirconia fibres. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 953-963	6	14
73	Upscaling potential of the CVD stacking growth method to produce dimensionally-controlled and catalyst-free multi-walled carbon nanotubes. <i>Carbon</i> , 2012 , 50, 3585-3606	10.4	14
72	A new regime for high rate growth of nanocrystalline diamond films using high power and CH ₄ /H ₂ /N ₂ /O ₂ plasma. <i>Diamond and Related Materials</i> , 2011 , 20, 304-309	3.5	14
71	Wet-etched Ni foils as active catalysts towards carbon nanofiber growth. <i>Carbon</i> , 2010 , 48, 2839-2854	10.4	14
70	IR and UV Laser-Induced Graphene: Application as Dopamine Electrochemical Sensors. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100007	6.8	14
69	Diamond-Graphite Nanoplatelet Surfaces as Conductive Substrates for the Electrical Stimulation of Cell Functions. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1331-1342	9.5	13
68	High rate growth of nanocrystalline diamond films using high microwave power and pure nitrogen/methane/hydrogen plasma. <i>Vacuum</i> , 2015 , 122, 342-346	3.7	13
67	Heat Dissipation Interfaces Based on Vertically Aligned Diamond/Graphite Nanoplatelets. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24772-7	9.5	13
66	Structural and optical characterization of Gd ₂ SiO ₅ crystalline fibres obtained by laser floating zone. <i>Optical Materials Express</i> , 2017 , 7, 868	2.6	13
65	Surface activation pre-treatments for NCD films grown by HFCVD. <i>Vacuum</i> , 2009 , 83, 1228-1232	3.7	13
64	Deposition of nanocrystalline diamond films on silicon nitride ceramic substrates using pulsed microwave discharges in Ar/H ₂ /CH ₄ gas mixture. <i>Diamond and Related Materials</i> , 2005 , 14, 432-436	3.5	13
63	Effect of urea on cellulose degradation under conditions of alkaline pulping. <i>Cellulose</i> , 2012 , 19, 2195-2204	9.9	12
62	Self-assembled cones of aligned carbon nanofibers grown on wet-etched Cu foils. <i>Carbon</i> , 2011 , 49, 2181-2196	10.1	12
61	Diamond film adhesion onto sub-micrometric WCo substrates. <i>Vacuum</i> , 2011 , 85, 1135-1139	3.7	12
60	Nanodiamond-based tribosystems. <i>Surface and Coatings Technology</i> , 2010 , 204, 1962-1969	4.4	12
59	The role of surface activation prior to seeding on CVD diamond adhesion. <i>Surface and Coatings Technology</i> , 2010 , 204, 3585-3591	4.4	12
58	Re-sharpenable thick CVD diamond-coated Si ₃ N ₄ tools for hardmetal turning. <i>Surface and Coatings Technology</i> , 2006 , 201, 1776-1782	4.4	12

57	Semi-orthogonal turning of hardmetal with CVD diamond and PCD inserts at different cutting angles. <i>Vacuum</i> , 2009 , 83, 1218-1223	3.7	11
56	Nano carbon hybrids from the simultaneous synthesis of CNT/NCD by MPCVD. <i>Diamond and Related Materials</i> , 2009 , 18, 160-163	3.5	11
55	Extrinsic stress induced defects in CVD diamond. <i>Diamond and Related Materials</i> , 2008 , 17, 190-193	3.5	11
54	Unstressed PACVD diamond films on steel pre-coated with a composite multilayer. <i>Surface and Coatings Technology</i> , 2005 , 191, 102-107	4.4	11
53	Physical Structure and Electrochemical Response of Diamond-Graphite Nanoplatelets: From CVD Synthesis to Label-Free Biosensors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8470-8482	9.5	10
52	Vertically aligned N-doped CNTs growth using Taguchi experimental design. <i>Applied Surface Science</i> , 2015 , 344, 57-64	6.7	10
51	Red and infrared luminescence from tetragonal YSZ:Pr ³⁺ single crystal fibres grown by LFZ. <i>Optical Materials</i> , 2011 , 34, 27-29	3.3	10
50	ZnO Nano/Microstructures Grown by Laser Assisted Flow Deposition. <i>Journal of Nano Research</i> , 2012 , 18-19, 129-137	1	10
49	Adhesion and wear behaviour of NCD coatings on Si ₃ N ₄ by micro-abrasion tests. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 3938-43	1.3	10
48	Surface modifications on as-grown boron doped CVD diamond films induced by the B ₂ O ₃ -ethanol-Ar system. <i>Diamond and Related Materials</i> , 2016 , 64, 89-96	3.5	9
47	Role of high microwave power on growth and microstructure of thick nanocrystalline diamond films: A comparison with large grain polycrystalline diamond films. <i>Journal of Crystal Growth</i> , 2014 , 389, 83-91	1.6	9
46	Synthesis and structural characterization of highly <100>-oriented {100}-faceted nanocrystalline diamond films by microwave plasma chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2009 , 311, 2258-2264	1.6	9
45	A Review on the Applications of Graphene in Mechanical Transduction. <i>Advanced Materials</i> , 2021 , e2101326	3.6	9
44	A DLC/diamond bilayer approach for reducing the initial friction towards a high bearing capacity. <i>Wear</i> , 2012 , 290-291, 18-24	3.5	8
43	Towards the understanding of the intentionally induced yellow luminescence in GaN nanowires. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 667-672		8
42	Deposition of alpha-WC/a-C nanocomposite thin films by hot-filament CVD. <i>Surface and Coatings Technology</i> , 2011 , 206, 103-106	4.4	7
41	UV-resonance Raman micro-spectroscopy to assess residual chromophores in cellulosic pulps. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 1039-1045	2.3	7
40	Fast coating of ultramicroelectrodes with boron-doped nanocrystalline diamond. <i>Diamond and Related Materials</i> , 2010 , 19, 1330-1335	3.5	7

39	Single-Pass and Multi-Pass Laser Cutting of SiSiC: Assessment of the Cut Quality and Microstructure in the Heat Affected Zone. <i>Journal of Laser Applications</i> , 2007 , 19, 170-176	2.1	7
38	NCD by HFCVD on a Si ₃ N ₄ -bioglass composite for biomechanical applications. <i>Surface and Coatings Technology</i> , 2006 , 200, 6409-6413	4.4	7
37	Millimeter sized graphene domains through in situ oxidation/reduction treatment of the copper substrate. <i>Carbon</i> , 2020 , 169, 403-415	10.4	7
36	Decorating MOF-74-derived nanocarbons with a sandwich-type polyoxometalate to enhance their OER activity: Exploring the underestimated bulk-deposition approach. <i>Electrochimica Acta</i> , 2021 , 389, 138719	6.7	7
35	Diamond/WC bilayer formation mechanism by hot-filament CVD. <i>Surface and Coatings Technology</i> , 2012 , 206, 3055-3063	4.4	6
34	Composition profiles and adhesion evaluation of conductive diamond coatings on dielectric ceramics. <i>Thin Solid Films</i> , 2012 , 520, 5260-5266	2.2	6
33	All-Diamond Microelectrodes as Solid State Probes for Localized Electrochemical Sensing. <i>Analytical Chemistry</i> , 2015 , 87, 6487-92	7.8	6
32	Processing strategies for smart electroconductive carbon nanotube-based bioceramic bone grafts. <i>Nanotechnology</i> , 2014 , 25, 145602	3.4	6
31	Laser-Induced Graphene from Paper by Ultraviolet Irradiation: Humidity and Temperature Sensors. <i>Advanced Materials Technologies</i> , 2101311	6.8	6
30	Millimeter-sized few-layer suspended graphene membranes. <i>Applied Materials Today</i> , 2020 , 21, 100879	6.6	6
29	(Lu _{0.3} Gd _{0.7}) ₂ SiO ₅ :Y ³⁺ single crystals grown by the laser floating zone method: structural and optical studies. <i>CrystEngComm</i> , 2018 , 20, 7386-7394	3.3	6
28	Electrical Polarization Effect on Bi ₂ Ca ₂ Co _{1.7} O _x thermoelectrics grown by laser floating zone. <i>Microscopy and Microanalysis</i> , 2012 , 18, 93-94	0.5	5
27	Role of nitrogen additive and temperature on growth of diamond films from nanocrystalline to polycrystalline. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2722-30	1.3	5
26	Spatial characterization of fiber Bragg grating structures using transversal pressure. <i>Optics Communications</i> , 2006 , 259, 110-114	2	5
25	Electrochemical Response of Glucose Oxidase Adsorbed on Laser-Induced Graphene. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
24	Formation of {100} facet-terminated nanocrystalline diamond by microwave plasma chemical vapor deposition: Edge effect. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010 , 207, 2029-2034	1.6	4
23	The effect of oxygen and nitrogen additives on the growth of nanocrystalline diamond films. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 386236	1.8	4
22	Effect of intergranular phase of Si ₃ N ₄ substrates on MPCVD diamond deposition. <i>Surface and Coatings Technology</i> , 2002 , 151-152, 521-525	4.4	4

21	Dual Transduction of H ₂ O ₂ Detection Using ZnO/Laser-Induced Graphene Composites. <i>Chemosensors</i> , 2021 , 9, 102	4	4
20	Directional solidification of ZrO ₂ /BaZrO ₃ composites with mixed protonic/oxide ionic conductivity. <i>Solid State Ionics</i> , 2014 , 262, 654-658	3-3	3
19	Discriminating the brightness stability of cellulosic pulp in relation to the final bleaching stage. <i>Carbohydrate Polymers</i> , 2012 , 88, 726-733	10-3	3
18	Conversion of paper and xylan into laser-induced graphene for environmentally friendly sensors. <i>Diamond and Related Materials</i> , 2022 , 123, 108855	3-5	3
17	Laser Melting Processing of ZrO ₂ /BaZrO ₃ Ceramic Eutectics. <i>Science of Advanced Materials</i> , 2013 , 5, 1847-1856	2-3	3
16	Boron Doped Diamond for Real-Time Wireless Cutting Temperature Monitoring of Diamond Coated Carbide Tools. <i>Materials</i> , 2021 , 14,	3-5	3
15	Perfluorinated fiber material properties following femtosecond laser inscription. <i>Optical Materials</i> , 2020 , 109, 110412	3-3	3
14	Electrochemical and photoluminescence response of laser-induced graphene/electrodeposited ZnO composites. <i>Scientific Reports</i> , 2021 , 11, 17154	4-9	3
13	Defect luminescence in oxides nanocrystals grown by laser assisted techniques 2015 ,		2
12	Pressure effects on the dissipative behavior of nanocrystalline diamond microelectromechanical resonators. <i>Journal of Micromechanics and Microengineering</i> , 2015 , 25, 025019	2	2
11	Simultaneous formation of nanocrystalline and textured and {111} facet dominated microcrystalline diamond films using CH ₄ /H ₂ /O ₂ plasma. <i>Diamond and Related Materials</i> , 2012 , 24, 93-98	3-5	2
10	Laser Assisted Flow Deposition: a New Method to Grow ZnO. <i>Microscopy and Microanalysis</i> , 2012 , 18, 87-88	0-5	2
9	Laser-Induced Hematite/Magnetite Phase Transformation. <i>Journal of Electronic Materials</i> , 2020 , 49, 7187-7193	1-1	1
8	ZnO micro/nanocrystals grown by laser assisted flow deposition 2014 ,		1
7	Prospects on laser processed wide band gap oxides optical materials 2013 ,		1
6	From Micro to Nanometric Grain Size CVD Diamond Tools. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1243, 1		1
5	Cobalt Phosphotungstate-Based Composites as Bifunctional Electro-catalysts for Oxygen Reactions. <i>Catalysts</i> , 2022 , 12, 357	4	1
4	Nd:YAG laser scribed zinc oxide on semi-flexible copper foils. <i>Materials Letters: X</i> , 2020 , 5, 100038	0-5	

- 3 Quantification of Microstructural Features in Carbon Nanotube/Nanodiamond Hybrids. *Microscopy and Microanalysis*, **2012**, 18, 85-86 0.5
- 2 ZnGa₂O₄:Mn²⁺ Phosphors Grown by Laser Floating Zone. *Microscopy and Microanalysis*, **2012**, 18, 105-106 0.5
- 1 Microstructure of Mullite-zirconia Fibres Grown by Directional Solidification. *Microscopy and Microanalysis*, **2012**, 18, 103-104 0.5