

Stephane Lucas

List of Publications by Year in descending order

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185
papers

3,977
citations

156536

32
h-index

198040

52
g-index

186
all docs

186
docs citations

186
times ranked

6688
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-zone model for Ti, Al co-doped ZnO films deposited by magnetron sputtering. Surfaces and Interfaces, 2022, 28, 101595.	1.5	3
2	Investigation of the Antibacterial Properties of Silver-Doped Amorphous Carbon Coatings Produced by Low Pressure Magnetron Assisted Acetylene Discharges. International Journal of Molecular Sciences, 2022, 23, 563.	1.8	3
3	Taking Advantage of the Senescence-Promoting Effect of Olaparib after X-ray and Proton Irradiation Using the Senolytic Drug, ABT-263. Cancers, 2022, 14, 1460.	1.7	5
4	A mechanistic approach of oxidation resistance, structural and mechanical behaviour of TiAlN coatings. Applied Surface Science, 2022, 586, 152851.	3.1	15
5	Challenges and coating solutions for wear and corrosion inside Lead Bismuth Eutectic: A review. Surface and Coatings Technology, 2022, 441, 128542.	2.2	33
6	IGDQ motogenic peptide gradient induces directional cell migration through integrin (αv) $\beta 3$ activation in MDA-MB-231 metastatic breast cancer cells. Neoplasia, 2022, 31, 100816.	2.3	3
7	In vitro Assessment of the DNA Damage Response in Dental Mesenchymal Stromal Cells Following Low Dose X-ray Exposure. Frontiers in Public Health, 2021, 9, 584484.	1.3	8
8	Understanding the role of energetic particles during the growth of TiO ₂ thin films by reactive magnetron sputtering through multi-scale Monte Carlo simulations and experimental deposition. Journal Physics D: Applied Physics, 2021, 54, 155203.	1.3	15
9	Adsorption of titanium dioxide nanoparticles onto zebrafish eggs affects colonizing microbiota. Aquatic Toxicology, 2021, 232, 105744.	1.9	7
10	Link between plasma properties with morphological, structural and mechanical properties of thin Ti films deposited by high power impulse magnetron sputtering. Surface and Coatings Technology, 2021, 418, 127235.	2.2	14
11	On the relationship between the plasma characteristics, the microstructure and the optical properties of reactively sputtered TiO ₂ thin films. Journal Physics D: Applied Physics, 2021, 54, 415202.	1.3	3
12	Gold nanoparticles meet medical radionuclides. Nuclear Medicine and Biology, 2021, 100-101, 61-90.	0.3	22
13	Experimental and theoretical study of a magnetron DC-PECVD acetylene discharge: Identification of the deposition precursors and film growth mechanisms. Surface and Coatings Technology, 2021, 421, 127472.	2.2	3
14	Radiobiological risks following dentomaxillofacial imaging: should we be concerned?. Dentomaxillofacial Radiology, 2021, 50, 20210153.	1.3	10
15	Metallic Nanoparticles: A Useful Prompt Gamma Emitter for Range Monitoring in Proton Therapy?. Radiation, 2021, 1, 305-316.	0.6	4
16	Using ammonia for reactive magnetron sputtering, a possible alternative to HiPIMS?. Applied Surface Science, 2020, 502, 144176.	3.1	4
17	High performance of 3D silicon nanowires array@CrN for electrochemical capacitors. Nanotechnology, 2020, 31, 035407.	1.3	8
18	Is aggregated synthetic amorphous silica toxicologically relevant?. Particle and Fibre Toxicology, 2020, 17, 1.	2.8	62

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19	Low gas consumption fabrication of ³ He solid targets for nuclear reactions. <i>Materials and Design</i> , 2020, 186, 108337.	3.3	4
20	Technological challenges and progress in nanomaterials plasma surface modification – A review. <i>Materials Science and Engineering Reports</i> , 2020, 139, 100521.	14.8	60
21	Gold Nanoparticles as a Potent Radiosensitizer: A Transdisciplinary Approach from Physics to Patient. <i>Cancers</i> , 2020, 12, 2021.	1.7	103
22	Experimental and theoretical study of a magnetron DC-PECVD acetylene discharge: Determination of the main species and reactions taking place in the plasma. <i>Surface and Coatings Technology</i> , 2020, 400, 126195.	2.2	4
23	Iron Ladies – How Desiccated Asexual Rotifer <i>Adineta vaga</i> Deal With X-Rays and Heavy Ions?. <i>Frontiers in Microbiology</i> , 2020, 11, 1792.	1.5	12
24	Mapping the Future of Particle Radiobiology in Europe: The INSPIRE Project. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	9
25	Roadmap for metal nanoparticles in radiation therapy: current status, translational challenges, and future directions. <i>Physics in Medicine and Biology</i> , 2020, 65, 21RM02.	1.6	101
26	Quantification of DNA Double Strand Breaks and Oxidation Response in Children and Adults Undergoing Dental CBCT Scan. <i>Scientific Reports</i> , 2020, 10, 2113.	1.6	14
27	Plasma polymerization of cyclopropylamine in a low-pressure cylindrical magnetron reactor: A PIC-MC study of the roles of ions and radicals. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, 033003.	0.9	3
28	Magnetron sputtering: determining scaling relations towards real power discharges using 3D particle-in-cell Monte Carlo models. <i>Plasma Sources Science and Technology</i> , 2020, 29, 115007.	1.3	6
29	<i>In Vivo</i> Pharmacokinetics, Biodistribution and Toxicity of Antibody-Conjugated Gold Nanoparticles in Healthy Mice. <i>Journal of Biomedical Nanotechnology</i> , 2020, 16, 985-996.	0.5	7
30	Considering Cell Proliferation to Optimize Detection of Radiation-Induced 53BP1 Positive Foci in 15 Mouse Strains Ex Vivo. <i>Radiation Research</i> , 2020, 195, 47-59.	0.7	4
31	Dose, LET and Strain Dependence of Radiation-Induced 53BP1 Foci in 15 Mouse Strains Ex Vivo Introducing Novel DNA Damage Metrics. <i>Radiation Research</i> , 2019, 192, 1.	0.7	30
32	<p></p>Gold nanoparticles affect the antioxidant status in selected normal human cells<p></p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 4991-5015.	3.3	35
33	Subchronic exposure to titanium dioxide nanoparticles modifies cardiac structure and performance in spontaneously hypertensive rats. <i>Particle and Fibre Toxicology</i> , 2019, 16, 25.	2.8	32
34	Study of the influence of the pressure and rotational motion of 3D substrates processed by magnetron sputtering: A comparative study between Monte Carlo modelling and experiments. <i>Surface and Coatings Technology</i> , 2019, 378, 125070.	2.2	8
35	Achieving on chip micro-supercapacitors based on CrN deposited by bipolar magnetron sputtering at glancing angle. <i>Electrochimica Acta</i> , 2019, 324, 134890.	2.6	35
36	HIF-1 α is a key mediator of the lung inflammatory potential of lithium-ion battery particles. <i>Particle and Fibre Toxicology</i> , 2019, 16, 35.	2.8	9

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37	Antibody-functionalized gold nanoparticles as tumor-targeting radiosensitizers for proton therapy. <i>Nanomedicine</i> , 2019, 14, 317-333.	1.7	42
38	Radiation-induced synthetic lethality: combination of poly(ADP-ribose) polymerase and RAD51 inhibitors to sensitize cells to proton irradiation. <i>Cell Cycle</i> , 2019, 18, 1770-1783.	1.3	28
39	Metal filling by high power impulse magnetron sputtering. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 365202.	1.3	4
40	Backscattered electron emission after proton impact on gold nanoparticles with and without polymer shell coating. <i>Physics in Medicine and Biology</i> , 2019, 64, 125007.	1.6	7
41	Characterization of water-based paints containing titanium dioxide or carbon black as manufactured nanomaterials before and after atomization. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 515-528.	1.6	4
42	Characterization of a pulsed low pressure argon discharge in a cylindrical magnetron reactor by plasma diagnostic and 3D plasma modeling. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, .	0.9	7
43	Method validation to assess in vivo cellular and subcellular changes in buccal mucosa cells and saliva following CBCT examinations. <i>Dentomaxillofacial Radiology</i> , 2019, 48, 20180428.	1.3	5
44	<p>Plasma protein adsorption on Fe<sub>3</sub>O<sub>4</sub>-PEG nanoparticles activates the complement system and induces an inflammatory response</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2055-2067.	3.3	32
45	Thioredoxin Reductase Activity Predicts Gold Nanoparticle Radiosensitization Effect. <i>Nanomaterials</i> , 2019, 9, 295.	1.9	29
46	Experimental measurements validate the use of the binary encounter approximation model to accurately compute proton induced dose and radiolysis enhancement from gold nanoparticles. <i>Physics in Medicine and Biology</i> , 2019, 64, 065014.	1.6	9
47	Correlation of structural and optical properties using virtual materials analysis. <i>Optics Express</i> , 2019, 27, 22209.	1.7	19
48	TiO _x deposited by magnetron sputtering: a joint modelling and experimental study. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 195202.	1.3	25
49	Fast, asymmetric and nonhomogeneous clearance of SiC nanoaerosol assessed by micro-particle-induced x-ray emission. <i>Nanomedicine</i> , 2018, 13, 145-155.	1.7	4
50	The role of thioredoxin reductase in gold nanoparticle radiosensitization effects. <i>Nanomedicine</i> , 2018, 13, 2917-2937.	1.7	40
51	Proton irradiation orchestrates macrophage reprogramming through NF [̂] B signaling. <i>Cell Death and Disease</i> , 2018, 9, 728.	2.7	58
52	Wide range investigation of duty cycle and frequency effects on bipolar magnetron sputtering of chromium nitride. <i>Surface and Coatings Technology</i> , 2018, 350, 84-94.	2.2	23
53	Plasma Treatment of Metal Oxide Nanoparticles: Development of Core-Shell Structures for a Better and Similar Dispersibility. <i>ACS Applied Nano Materials</i> , 2018, 1, 3464-3473.	2.4	28
54	Study of TiO ₂ P25 nanoparticles genotoxicity on lung, blood and liver cells in lung overload and non-overload conditions after repeated respiratory exposure in rats. <i>Toxicological Sciences</i> , 2017, 156, kfx006.	1.4	36

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55	Backscattered electron emission after proton impact on carbon and gold films: Experiments and simulations. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 401, 8-17.	0.6	10
56	Synthesis of nanostructured Ti thin films by combining glancing angle deposition and magnetron sputtering: A joint experimental and modeling study. <i>Thin Solid Films</i> , 2017, 636, 644-657.	0.8	44
57	Metallic nanoparticles irradiated by low-energy protons for radiation therapy: Are there significant physical effects to enhance the dose delivery?. <i>Medical Physics</i> , 2017, 44, 4299-4312.	1.6	24
58	Characterization of core/shell Cu/Ag nanopowders synthesized by electrochemistry and assessment of their impact on hemolysis, platelet aggregation, and coagulation on human blood for potential wound dressing use. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	1
59	Assessment of environmental spectral ellipsometry for characterising fluid-induced colour changes in natural photonic structures. <i>Materials Today: Proceedings</i> , 2017, 4, 4987-4997.	0.9	6
60	Reprogramming of Tumor-Associated Macrophages with Anticancer Therapies: Radiotherapy versus Chemo- and Immunotherapies. <i>Frontiers in Immunology</i> , 2017, 8, 828.	2.2	295
61	LET-dependent radiosensitization effects of gold nanoparticles for proton irradiation. <i>Nanotechnology</i> , 2016, 27, 455101.	1.3	50
62	Vapor sensing with a natural photonic cell. <i>Optics Express</i> , 2016, 24, 12267.	1.7	32
63	Biodistribution of 125I-labeled anti-endoglin antibody using SPECT/CT imaging: Impact of in vivo deiodination on tumor accumulation in mice. <i>Nuclear Medicine and Biology</i> , 2016, 43, 415-423.	0.3	13
64	Oxygen vacancy stabilized zirconia (OVSZ); a joint experimental and theoretical study. <i>Scripta Materialia</i> , 2016, 124, 26-29.	2.6	43
65	Toward a Better Understanding of the Influence of the Hydrocarbon Precursor on the Mechanical Properties of aC:H Coatings Synthesized by a Hybrid PECVD/PVD Method. <i>Plasma Processes and Polymers</i> , 2016, 13, 316-323.	1.6	22
66	Physicochemical and toxicological evaluation of silica nanoparticles suitable for food and consumer products collected by following the EC recommendation. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 271-286.	1.9	35
67	Protein corona acts as a protective shield against Fe ₃ O ₄ -PEG inflammation and ROS-induced toxicity in human macrophages. <i>Toxicology Letters</i> , 2016, 240, 172-184.	0.4	70
68	Growth of nitrogen-doped graphene on copper: Multiscale simulations. <i>Surface Science</i> , 2016, 644, 102-108.	0.8	7
69	The euglobulin clot lysis time to assess the impact of nanoparticles on fibrinolysis. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	1
70	Comparison of experimental and Monte-Carlo simulation of MeV particle transport through tapered/straight glass capillaries and circular collimators. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 362, 72-79.	0.6	4
71	The impact of instilled carbide nanoparticles on rat lungs: an <i>in vivo</i> perspective on acute intratracheal instillation. <i>Journal of Physics: Conference Series</i> , 2015, 617, 012017.	0.3	0
72	Monte Carlo Calculation of Radioimmunotherapy with ⁹⁰ Y, ¹⁷⁷ Lu, ¹³¹ I, ¹²⁴ I, and ¹⁸⁸ Re-Nanoobjects: Choice of the Best Radionuclide for Solid Tumour Treatment by Using TCP and NTCP Concepts. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-15.	0.7	8

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73	Multiscale simulations of the early stages of the growth of graphene on copper. <i>Surface Science</i> , 2015, 637-638, 11-18.	0.8	18
74	Synthesis of spherical copper-platinum nanoparticles by sonoelectrochemistry followed by conversion reaction. <i>Electrochimica Acta</i> , 2015, 176, 567-574.	2.6	6
75	Practice-oriented optical thin film growth simulation via multiple scale approach. <i>Thin Solid Films</i> , 2015, 592, 240-247.	0.8	19
76	Effects of Alpha Particle and Proton Beam Irradiation as Putative Cross-Talk between A549 Cancer Cells and the Endothelial Cells in a Co-Culture System. <i>Cancers</i> , 2015, 7, 481-502.	1.7	6
77	What is the impact of Silicon Carbide nanoparticles to the mineral composition of rat lungs? A PIXE-1/4PIXE comparative study. <i>Journal of Physics: Conference Series</i> , 2015, 617, 012016.	0.3	0
78	Limited inflammatory response in rats after acute exposure to a silicon carbide nanoaerosol. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	4
79	⁸⁹ Zr-labeled anti-endoglin antibody-targeted gold nanoparticles for imaging cancer: implications for future cancer therapy. <i>Nanomedicine</i> , 2014, 9, 1923-1937.	1.7	33
80	<i>Hoplia coerulea</i> , a porous natural photonic structure as template of optical vapour sensor. , 2014, , .		10
81	Improved electrical mobility in highly epitaxial La:BaSnO3 films on SmScO3(110) substrates. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	87
82	Transmission electron microscopy of unstained hybrid Au nanoparticles capped with PPAA (plasma-poly-allylamine): Structure and electron irradiation effects. <i>Micron</i> , 2014, 67, 1-9.	1.1	8
83	Simulation of nanowire fragmentation by means of kinetic Monte Carlo approach: 2D case. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 1456-1462.	0.7	9
84	Low dose hypersensitivity following in vitro cell irradiation with charged particles: Is the mechanism the same as with X-ray radiation?. <i>International Journal of Radiation Biology</i> , 2014, 90, 81-89.	1.0	11
85	Can TiC nanoparticles produce toxicity in oral administration to rats?. <i>Toxicology Reports</i> , 2014, 1, 172-187.	1.6	13
86	Anomalous moiré pattern of graphene investigated by scanning tunneling microscopy: Evidence of graphene growth on oxidized Cu(111). <i>Nano Research</i> , 2014, 7, 154-162.	5.8	20
87	Sonicated and stirred copper oxide nanoparticles induce similar toxicity and pro-inflammatory response in N-hTERT keratinocytes and SZ95 sebocytes. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	10
88	A comparison of six major platelet functional tests to assess the impact of carbon nanomaterials on platelet function: A practical guide. <i>Nanotoxicology</i> , 2014, 8, 220-232.	1.6	11
89	On the formation of the porous structure in nanostructured a-Si coatings deposited by dc magnetron sputtering at oblique angles. <i>Nanotechnology</i> , 2014, 25, 355705.	1.3	39
90	Gateway to genetic exchange? <sc>DNA</sc> double-strand breaks in the bdelloid rotifer <i><sc>A</sc>dineta vaga</i> submitted to desiccation. <i>Journal of Evolutionary Biology</i> , 2014, 27, 1334-1345.	0.8	61

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91	Evaluation of metal trace detachment from dosing pumps using PIXE. Nuclear Instruments & Methods in Physics Research B, 2014, 331, 117-120.	0.6	0
92	Impact of Silver Nanoparticles on Haemolysis, Platelet Function and Coagulation. Nanobiomedicine, 2014, 1, 4.	4.4	67
93	Antibody- ϵ -functionalized nanoparticles for imaging cancer: influence of conjugation to gold nanoparticles on the biodistribution of ^{89}Zr -labeled cetuximab in mice. Contrast Media and Molecular Imaging, 2013, 8, 402-408.	0.4	84
94	Dose assessment of SiC nanoparticle dispersions during in vitro assays. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	5
95	Carbon coatings with low secondary electron yield. Vacuum, 2013, 98, 29-36.	1.6	52
96	Comparison of X-ray and alpha particle effects on a human cancer and endothelial cells: Survival curves and gene expression profiles. Radiotherapy and Oncology, 2013, 106, 397-403.	0.3	22
97	Low-LET Proton Irradiation of A549 Non-small Cell Lung Adenocarcinoma Cells: Dose Response and RBE Determination. Radiation Research, 2013, 179, 273-281.	0.7	32
98	Computer simulations of the early-stage growth of Ge clusters at elevated temperatures on patterned Si substrate using the kinetic Monte Carlo method. Thin Solid Films, 2013, 536, 313-317.	0.8	10
99	The use of PIXE for engineered nanomaterials quantification in complex matrices. Journal of Physics: Conference Series, 2013, 429, 012010.	0.3	6
100	Low-Dose Hypersensitivity and Bystander Effect are Not Mutually Exclusive in A549 Lung Carcinoma Cells after Irradiation with Charged Particles. Radiation Research, 2013, 180, 491-498.	0.7	12
101	Toward computer simulation of high-LET in vitro survival curves. Physics in Medicine and Biology, 2013, 58, 6495-6510.	1.6	8
102	How does the deposited dose of oxide nanomaterials evolve in an in vitro assay?. Journal of Physics: Conference Series, 2013, 429, 012013.	0.3	7
103	Bioactivity and hemocompatibility study of amorphous hydrogenated carbon coatings produced by pulsed magnetron discharge. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1800-1812.	2.1	10
104	Differential toxicity of copper (II) oxide nanoparticles of similar hydrodynamic diameter on human differentiated intestinal Caco-2 cell monolayers is correlated in part to copper release and shape. Nanotoxicology, 2012, 6, 789-803.	1.6	59
105	Validation of the calibrated thrombin generation test (cTGT) as the reference assay to evaluate the procoagulant activity of nanomaterials. Nanotoxicology, 2012, 6, 213-232.	1.6	24
106	Pro-inflammatory effects of different MWCNTs dispersions in p16 ^{INK4A} -deficient telomerase-expressing human keratinocytes but not in human SV-40 immortalized sebocytes. Nanotoxicology, 2012, 6, 77-93.	1.6	6
107	Fate of SiC and TiC nanoparticle dispersions in human reconstituted gastric fluid. International Journal of Nano and Biomaterials, 2012, 4, 243.	0.1	2
108	Effects of SiC nanoparticles orally administered in a rat model: Biodistribution, toxicity and elemental composition changes in feces and organs. Toxicology and Applied Pharmacology, 2012, 264, 232-245.	1.3	29

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109	Antibody-functionalized polymer-coated gold nanoparticles targeting cancer cells: an in vitro and in vivo study. <i>Journal of Materials Chemistry</i> , 2012, 22, 21305.	6.7	51
110	Copper(ii) oxide nanoparticles penetrate into HepG2 cells, exert cytotoxicity via oxidative stress and induce pro-inflammatory response. <i>Nanoscale</i> , 2012, 4, 7168.	2.8	107
111	Configuration in the flesh: challenges in publicly promoted clusters. <i>Journal of Technology Transfer</i> , 2012, 37, 609-630.	2.5	2
112	Comparison of the clonogenic survival of A549 non-small cell lung adenocarcinoma cells after irradiation with low-dose-rate beta particles and high-dose-rate X-rays. <i>International Journal of Radiation Biology</i> , 2012, 88, 253-257.	1.0	7
113	Microstructural characterization of hydrophobic Ti _{1-x} Al _x N coatings with moth-eye-like surface morphology. <i>Journal of Alloys and Compounds</i> , 2012, 536, S398-S406.	2.8	5
114	Investigation of the Growth Mechanisms of a-CH _x Coatings Deposited by Pulsed Reactive Magnetron Sputtering. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12017-12026.	1.5	16
115	Development of a PIXE analysis method for the determination of the biopersistence of SiC and TiC nanoparticles in rat lungs. <i>Nanotoxicology</i> , 2012, 6, 263-271.	1.6	32
116	Are stirring and sonication pre-dispersion methods equivalent for in vitro toxicology evaluation of SiC and TiC?. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	18
117	Quantification of nanoparticles in aqueous food matrices using Particle-Induced X-ray Emission. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2835-2841.	1.9	26
118	Growth Mechanisms Involved in the Synthesis of Smooth and Microtextured Films by Acetylene Magnetron Discharges. <i>Langmuir</i> , 2011, 27, 8913-8922.	1.6	10
119	Carbon nanoparticles synthesized by sputtering and gas condensation inside a nanocluster source of fixed dimension. <i>Surface and Coatings Technology</i> , 2011, 205, S577-S581.	2.2	20
120	Inflammation response at the transcriptional level of HepG2 cells induced by multi-walled carbon nanotubes. <i>Journal of Physics: Conference Series</i> , 2011, 304, 012040.	0.3	3
121	Deposition of superhydrophobic structures by magnetron discharge. <i>Surface and Coatings Technology</i> , 2011, 205, S582-S585.	2.2	4
122	First results of the surface modification of multiwall carbon nanotubes by a hollow cathode discharge. <i>Surface and Coatings Technology</i> , 2011, 205, S601-S604.	2.2	5
123	Chemical reactivity of plasma polymerized allylamine (PPAA) thin films on Au and Si: Study of the thickness influence and aging of the films. <i>Surface and Coatings Technology</i> , 2011, 205, S462-S465.	2.2	14
124	Vertically aligned carbon nanotubes: Synthesis and atomic oxygen functionalization. <i>Surface and Coatings Technology</i> , 2011, 205, S592-S596.	2.2	18
125	On the comparison of three methods of assessing beam quality for broad beam in vitro cell irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 3132-3136.	0.6	4
126	In vitro irradiation station for broad beam radiobiological experiments. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 3120-3124.	0.6	36

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127	Surface properties and cell adhesion onto allylamine-plasma and amine-plasma coated glass coverslips. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 671-682.	1.7	24
128	Effects of the dispersion methods in Pluronic F108 on the size and the surface composition of MWCNTs and their implications in toxicology assessment. <i>Journal of Nanoparticle Research</i> , 2011, 13, 655-667.	0.8	26
129	Antibody immobilization on gold nanoparticles coated layer-by-layer with polyelectrolytes. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1573-1580.	0.8	42
130	Study of the effect of a silver nanoparticle seeding layer on the crystallisation temperature, photoinduced hydrophylic and catalytic properties of TiO ₂ thin films deposited on glass by magnetron sputtering. <i>Surface and Coatings Technology</i> , 2011, 205, 3774-3778.	2.2	26
131	Sputter deposited transition metal nitrides as back electrode for CIGS solar cells. <i>Solar Energy</i> , 2011, 85, 538-544.	2.9	28
132	On the use of radioisotopes to study the possible synthesis by magnetron sputtering of bimetallic nanoparticles. <i>Surface and Coatings Technology</i> , 2011, 205, 4934-4940.	2.2	3
133	Optical properties of thermochromic VO ₂ thin films on stainless steel: Experimental and theoretical studies. <i>Thin Solid Films</i> , 2011, 519, 3283-3287.	0.8	22
134	An NTCP Analysis of Urethral Complications from Low Doserate Mono- and Bi-Radionuclide Brachytherapy. <i>Prostate Cancer</i> , 2011, 2011, 1-9.	0.4	3
135	Radioimmunotherapy with radioactive nanoparticles: Biological doses and treatment efficiency for vascularized tumors with or without a central hypoxic area. <i>Medical Physics</i> , 2010, 37, 1826-1839.	1.6	20
136	Surface phenomena involved in the formation of Co nanoparticles on amorphous carbon and SiO ₂ deposited by magnetron sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 125-138.	1.1	13
137	Dispersion of multi-walled carbon nanotubes in biocompatible dispersants. <i>Journal of Nanoparticle Research</i> , 2010, 12, 75-82.	0.8	38
138	Laser desorption/ionization fourier transform mass spectrometry of thin films deposited on silicon by plasma polymerization of acetylene. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 411-420.	1.2	14
139	Simulation at high temperature of atomic deposition, islands coalescence, Ostwald and inverse Ostwald ripening with a general simple kinetic Monte Carlo code. <i>Thin Solid Films</i> , 2010, 518, 5355-5361.	0.8	57
140	Cytotoxicity of multi-walled carbon nanotubes in three skin cellular models: Effects of sonication, dispersive agents and corneous layer of reconstructed epidermis. <i>Nanotoxicology</i> , 2010, 4, 84-97.	1.6	48
141	Study of Nanoparticles Formation in a Pulsed Magnetron Discharge in Acetylene. <i>Plasma Processes and Polymers</i> , 2009, 6, S6.	1.6	15
142	Analyses of Thick Lithium Coatings Deposited by Sputter-Evaporation and Exposed to Air. <i>Plasma Processes and Polymers</i> , 2009, 6, S337-S341.	1.6	4
143	Dielectric Multilayer Films Fabricated by Magnetron Sputtering: How Far Can the Iridescence Be Tuned?. <i>Plasma Processes and Polymers</i> , 2009, 6, S746-S750.	1.6	8
144	DC Magnetron Sputtering Deposition of Titanium Oxide Nanoparticles: Influence of Temperature, Pressure and Deposition Time on the Deposited Layer Morphology, the Wetting and Optical Surface Properties. <i>Plasma Processes and Polymers</i> , 2009, 6, S849.	1.6	18

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145	PVD Synthesis and Transfer into Water-Based Solutions of Functionalized Gold Nanoparticles. Plasma Processes and Polymers, 2009, 6, S888.	1.6	20
146	Synthesis of titanium dioxide nanoparticles by reactive DC magnetron sputtering. Thin Solid Films, 2009, 518, 112-115.	0.8	22
147	Production and preliminary characterization of DC plasma polymerized allylamine film (PPAA) by NRA, ERD and XPS. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2494-2497.	0.6	16
148	Monte Carlo modelling of Germanium detectors for the measurement of low energy photons in internal dosimetry: Results of an international comparison. Radiation Measurements, 2008, 43, 510-515.	0.7	28
149	Determination of biological vector characteristics and nanoparticle dimensions for radioimmunotherapy with radioactive nanoparticles. Applied Radiation and Isotopes, 2008, 66, 168-172.	0.7	11
150	Preliminary results of proton beam characterization for a facility of broad beam in vitro cell irradiation. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2122-2124.	0.6	7
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