

# Maria C Salvadori

## List of Publications by Citations

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126  
papers

1,602  
citations

21  
h-index

31  
g-index

132  
ext. papers

1,773  
ext. citations

2.8  
avg, IF

4.51  
L-index

#	Paper	IF	Citations
126	Measurement of the elastic modulus of nanostructured gold and platinum thin films. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	90
125	PBAT/kraft lignin blend in flexible laminated food packaging: Peeling resistance and thermal degradability. <i>Polymer Testing</i> , <b>2018</b> , 67, 169-176	4.5	67
124	WC/Co cutting tool inserts with diamond coatings. <i>Diamond and Related Materials</i> , <b>1999</b> , 8, 1913-1918	3.5	64
123	DLC coating roughness as a function of film thickness. <i>Surface and Coatings Technology</i> , <b>2006</b> , 200, 5119-5122	4.22	43
122	Antiparasitic activity of nerolidol in a mouse model of schistosomiasis. <i>International Journal of Antimicrobial Agents</i> , <b>2017</b> , 50, 467-472	14.3	42
121	Conducting polymer formed by low energy gold ion implantation. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 073102	10.4	38
120	Characterization of Ultrathin Films of Cellulose Esters. <i>Cellulose</i> , <b>2005</b> , 12, 351-359	5.5	38
119	Cyclohexene-fused 1,3-oxazines with selective antibacterial and antiparasitic action and low cytotoxic effects. <i>Toxicology in Vitro</i> , <b>2017</b> , 44, 273-279	3.6	34
118	Thermoelectric effect in very thin film Pt/Au thermocouples. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 133106	3.4	32
117	Diamond synthesis by microwave plasma chemical vapor deposition using graphite as the carbon source. <i>Applied Physics Letters</i> , <b>1991</b> , 59, 2386-2388	3.4	32
116	Enolase Adsorption onto Hydrophobic and Hydrophilic Solid Substrates. <i>Langmuir</i> , <b>2002</b> , 18, 6914-6920	4	31
115	Simple, safe, and economical microwave plasma-assisted chemical vapor deposition facility. <i>Review of Scientific Instruments</i> , <b>1992</b> , 63, 3389-3393	1.7	31
114	Diamond-like-carbon and molybdenum disulfide nanotribology studies using atomic force measurements. <i>Diamond and Related Materials</i> , <b>2001</b> , 10, 1049-1052	3.5	29
113	Gold-implanted shallow conducting layers in polymethylmethacrylate. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 064313	2.5	26
112	Characterization of nitrogen doped grapheme bilayers synthesized by fast, low temperature microwave plasma-enhanced chemical vapour deposition. <i>Scientific Reports</i> , <b>2019</b> , 9, 13715	4.9	25
111	Platinum and gold thin films deposited by filtered vacuum arc: morphological and crystallographic grain sizes. <i>Surface and Coatings Technology</i> , <b>2006</b> , 200, 2965-2969	4.4	25
110	Termination of diamond surfaces with hydrogen, oxygen and fluorine using a small, simple plasma gun. <i>Diamond and Related Materials</i> , <b>2010</b> , 19, 324-328	3.5	24

109	AFM analysis of bleaching effects on dental enamel microtopography. <i>Applied Surface Science</i> , <b>2010</b> , 256, 2915-2919	6.7	24
108	Columnar CVD diamond growth structure on irregular surface substrates. <i>Diamond and Related Materials</i> , <b>1995</b> , 4, 1255-1259	3.5	24
107	The Effect of a Graphite Holder on Diamond Synthesis by Microwave Plasma Chemical Vapor Deposition. <i>Journal of the Electrochemical Society</i> , <b>1992</b> , 139, 558-560	3.9	24
106	Plasma-assisted chemical vapour deposition in a tunable microwave cavity. <i>Plasma Sources Science and Technology</i> , <b>1995</b> , 4, 489-494	3.5	23
105	Tailored SERS substrates obtained with cathodic arc plasma ion implantation of gold nanoparticles into a polymer matrix. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 2050-5	3.6	21
104	Surface plasmon resonance of gold nanoparticles formed by cathodic arc plasma ion implantation into polymer. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2009</b> , 27, 2242		21
103	Thermoelectric power in very thin film thermocouples: Quantum size effects. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 114905	2.5	21
102	ELECTRICAL RESISTIVITY OF NANOSTRUCTURED PLATINUM AND GOLD THIN FILMS. <i>Surface Review and Letters</i> , <b>2004</b> , 11, 223-227	1.1	21
101	Contamination due to memory effects in filtered vacuum arc plasma deposition systems. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 1969-1971	3.4	20
100	and Studies of Spironolactone as an Antischistosomal Drug Capable of Clinical Repurposing. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	20
99	Mechanical and thermal properties of electron beam-irradiated polypropylene reinforced with Kraft lignin. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 139, 5-10	2.5	19
98	Low-temperature plasma treatment of polylactic acid and PLA/HA composite material. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 11726-11738	4.3	19
97	Antiparasitic activity of pipartine (piperlongumine) in a mouse model of schistosomiasis. <i>Acta Tropica</i> , <b>2020</b> , 205, 105350	3.2	19
96	Characterization of AFM cantilevers coated with diamond-like carbon. <i>Diamond and Related Materials</i> , <b>2001</b> , 10, 2190-2194	3.5	19
95	Roughness and critical exponents analysis of diamond films by AFM imaging. <i>Thin Solid Films</i> , <b>1999</b> , 354, 1-4	2.2	18
94	Surface modification by metal ion implantation forming metallic nanoparticles in an insulating matrix. <i>Applied Surface Science</i> , <b>2014</b> , 310, 158-163	6.7	17
93	Measurement of critical exponents of diamond films by atomic force microscopy imaging. <i>Physical Review E</i> , <b>1998</b> , 58, 6814-6816	2.4	17
92	Effects of fluoride or nanohydroxiapatite on roughness and gloss of bleached teeth. <i>Microscopy Research and Technique</i> , <b>2011</b> , 74, 1069-75	2.8	15

91	Nanostructured Gold Thin Films: Young Modulus Measurement. <i>Surface Review and Letters</i> , <b>2003</b> , 10, 571-575	1.1	15
90	Grain Sizes and Surface Roughness in Platinum and Gold Thin Films. <i>Journal of Metastable and Nanocrystalline Materials</i> , <b>2004</b> , 20-21, 623-628	0.2	15
89	CONTRIBUTION OF THE MORPHOLOGICAL GRAIN SIZES TO THE ELECTRICAL RESISTIVITY OF PLATINUM AND GOLD THIN FILMS. <i>Surface Review and Letters</i> , <b>2004</b> , 11, 463-467	1.1	15
88	Brazilian red propolis exhibits antiparasitic properties in vitro and reduces worm burden and egg production in an mouse model harboring either early or chronic <i>Schistosoma mansoni</i> infection. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 264, 113387	5	15
87	Promethazine exhibits antiparasitic properties and reduces worm burden, egg production, hepato-, and splenomegaly in a schistosomiasis animal model. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> ,	5.9	14
86	Design and fabrication of microcavity-array superhydrophobic surfaces. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 024908	2.5	13
85	Nanostructured diamond-like carbon films characterization. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 495, 620-624	5.7	13
84	Relationship between surface topography and energy density distribution of Er,Cr:YSGG beam on irradiated dentin: an atomic force microscopy study. <i>Photomedicine and Laser Surgery</i> , <b>2011</b> , 29, 261-9		13
83	MEASUREMENT OF CRITICAL EXPONENTS OF PLATINUM THIN FILMS. <i>Surface Review and Letters</i> , <b>2003</b> , 10, 1-5	1.1	13
82	H1-antihistamines as antischistosomal drugs: in vitro and in vivo studies. <i>Parasites and Vectors</i> , <b>2020</b> , 13, 278	4	12
81	Diamond membranes with controlled porosity. <i>Diamond and Related Materials</i> , <b>1997</b> , 6, 1824-1829	3.5	12
80	Interface tailoring for adhesion enhancement of diamond-like carbon thin films. <i>Diamond and Related Materials</i> , <b>2012</b> , 25, 8-12	3.5	11
79	Electrical conductivity of platinum-implanted polymethylmethacrylate nanocomposite. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 114905	2.5	11
78	Electrical, optical, and structural studies of shallow-buried Au-polymethylmethacrylate composite films formed by very low energy ion implantation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2010</b> , 28, 818-823	2.9	11
77	Dentinal surface-cutting efficiency using a high-speed diamond bur, ultrasound and laser. <i>Laser Physics</i> , <b>2008</b> , 18, 472-477	1.2	11
76	The gas flow rate increase obtained by an oscillating piezoelectric actuator on a micronozzle. <i>Sensors and Actuators A: Physical</i> , <b>2008</b> , 144, 154-160	3.9	10
75	Fabrication of diamond flow controller micronozzles. <i>Diamond and Related Materials</i> , <b>2002</b> , 11, 237-241	3.5	10
74	Disinfection of ancient paper contaminated with fungi using supercritical carbon dioxide. <i>Journal of Cultural Heritage</i> , <b>2018</b> , 30, 110-116	2.9	9

73	Electrical conductivity of gold-implanted alumina nanocomposite. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 310, 32-36	1.2	9
72	Design and fabrication of superhydrophobic surfaces formed of microcavities. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 074101	3.4	9
71	Influence of substrate surface topography in the deposition of nanostructured diamond-like carbon films by high density plasma chemical vapor deposition. <i>Surface and Coatings Technology</i> , <b>2009</b> , 203, 1193-1198	4.4	9
70	Small plasma source for materials application. <i>Review of Scientific Instruments</i> , <b>2007</b> , 78, 086103	1.7	9
69	DYNAMIC SCALING PHENOMENA IN DIAMOND FILM GROWTH. <i>Surface Review and Letters</i> , <b>2001</b> , 08, 347-351	1.1	9
68	Tooth tissue engineering: the influence of hydrophilic surface on nanocrystalline diamond films for human dental stem cells. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 2537-43	3.9	8
67	Low cost ion implantation technique. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 224104	3.4	8
66	Annealing effects on nanostructured gold-polymethylmethacrylate composites: Small-angle x-ray scattering analysis. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 104311	2.5	8
65	Scanning probe microscopy of vacuum-arc-deposited metallic and diamond-like carbon thin films. <i>Thin Solid Films</i> , <b>1998</b> , 325, 19-23	2.2	8
64	MEASUREMENT OF CRITICAL EXPONENTS OF NANOSTRUCTURED GOLD THIN FILMS. <i>Surface Review and Letters</i> , <b>2003</b> , 10, 903-908	1.1	8
63	ELECTRICAL RESISTIVITY OF PLATINUM AND GOLD THIN FILMS: A THEORETICAL APPROACH. <i>Surface Review and Letters</i> , <b>2004</b> , 11, 283-290	1.1	8
62	Critical exponents of diamond films: possible influence of spatially correlated noise. <i>Thin Solid Films</i> , <b>2000</b> , 376, 264-266	2.2	8
61	Diamond growth on silicon nitride by microwave plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , <b>1992</b> , 1, 818-823	3.5	8
60	In Vitro and in Vivo Antischistosomal Activities of Chalcones. <i>Chemistry and Biodiversity</i> , <b>2018</b> , 15, e1800398	3.9	8
59	Diamond flow controller microtubes. <i>Journal of Micromechanics and Microengineering</i> , <b>2002</b> , 12, 108-110	2	7
58	New evidence for Iamoxifen as an antischistosomal agent: , and target fishing studies. <i>Future Medicinal Chemistry</i> , <b>2021</b> , 13, 945-957	4.1	7
57	Antiparasitic Properties of Cardiovascular Agents against Human Intravascular Parasite. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	7
56	Study of the correlation between flexible food packaging peeling resistance and surface composition for aluminum-metallized BOPP films aged at 60°C <b>2017</b> , 93, 4-17		6

55	Properties of aluminum oxide thin film obtained by metal plasma immersion ion implantation and deposition after zirconium-based pretreatment. <i>Vacuum</i> , <b>2015</b> , 121, 32-41	3.7	6
54	Substrate for Surface-Enhanced Raman Spectroscopy Formed by Gold Nanoparticles Buried in Poly(methyl methacrylate). <i>ACS Omega</i> , <b>2020</b> , 5, 10366-10373	3.9	6
53	Reversing an S-kink effect caused by interface degradation in organic solar cells through gold ion implantation in the PEDOT:PSS layer. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 155502	2.5	6
52	Spontaneous wrinkling of soft matter by energetic deposition of Cr and Au. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 145305	2.5	6
51	Self-neutralized ion beam. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 083308	2.5	6
50	Structure of disordered gold-polymer thin films using small angle x-ray scattering. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 093505	2.5	6
49	On the electrical conductivity of Ti-implanted alumina. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 063714	2.5	6
48	Porous freestanding diamond membranes with reduced pore diameter. <i>Thin Solid Films</i> , <b>1999</b> , 353, 239-243		6
47	Non-thermal plasma increase bond strength of zirconia to a resin cement. <i>Brazilian Dental Science</i> , <b>2018</b> , 21, 210	1.2	6
46	Dimensional effects on the tunneling conductivity of gold-implanted nanocomposite films. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 125302	2.5	5
45	A high voltage pulse power supply for metal plasma immersion ion implantation and deposition. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 124703	1.7	5
44	Atomic force microscope nanolithography of polymethylmethacrylate polymer. <i>Review of Scientific Instruments</i> , <b>2007</b> , 78, 053702	1.7	5
43	On the origin of microcraters on the surface of ion beam bombarded plant cell walls. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2006</b> , 243, 250-252	1.2	5
42	KINETIC SURFACE ROUGHENING OF PLATINUM AND GOLD THIN FILMS. <i>Surface Review and Letters</i> , <b>2005</b> , 12, 675-679	1.1	5
41	DIAMOND REPLICAS: A GROWTH DYNAMICS ANALYSIS. <i>Surface Review and Letters</i> , <b>2001</b> , 08, 291-294		5
40	New field-emission device with improved vacuum features. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2000</b> , 18, 1818-1822	2.9	5
39	Gemcitabine/Cisplatin Treatment Induces Concomitant SERTAD1, CDKN2B and GADD45A Modulation and Cellular Changes in Bladder Cancer Cells Regardless of the Site of TP53 Mutation. <i>Pathology and Oncology Research</i> , <b>2018</b> , 24, 407-417	2.6	4
38	Cell growth on 3D microstructured surfaces. <i>Materials Science and Engineering C</i> , <b>2016</b> , 63, 686-9	8.3	4

37	The effect of magnetic domain walls on the complex permeability of bulk Z-type cobalt hexaferrite along both W and Y-phases. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 170, 12-23	4.4	4
36	Performance of an inverted ion source. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 023506	1.7	4
35	Cell adhesion and growth on surfaces modified by plasma and ion implantation. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 154701	2.5	4
34	Microcavity-array superhydrophobic surfaces: Limits of the model. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 174911	2.5	4
33	Novel method for measuring nanofriction by atomic force microscope. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2008</b> , 26, 643		4
32	INFLUENCE OF ELECTRON SCATTERING FROM MORPHOLOGICAL GRANULARITY AND SURFACE ROUGHNESS ON THIN FILM ELECTRICAL RESISTIVITY. <i>Surface Review and Letters</i> , <b>2007</b> , 14, 87-91	1.1	4
31	Fabrication and testing of a poly(vinylidene fluoride) (PVDF) microvalve for gas flow control. <i>Smart Materials and Structures</i> , <b>2007</b> , 16, 2302-2307	3.4	4
30	Anisotropic resistivity of thin films due to quantum electron scattering from anisotropic surface roughness. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2007</b> , 25, 330-333	2.9	4
29	Characterization of diamond sonic micronozzles and microtube. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2003</b> , 21, 2034		4
28	Young Modulus Measurement of Nanostructured Metallic Thin Films. <i>Journal of Metastable and Nanocrystalline Materials</i> , <b>2004</b> , 20-21, 758-762	0.2	4
27	CRITICAL EXPONENT MEASUREMENT OF POOR QUALITY DIAMOND FILMS. <i>Surface Review and Letters</i> , <b>2002</b> , 09, 1409-1412	1.1	4
26	Investigation of the electron emission from pores in a diamond porous membrane. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2000</b> , 18, 2415		4
25	Preparation and characterization of copper thin film obtained by metal plasma immersion ion implantation and deposition. <i>Thin Solid Films</i> , <b>2018</b> , 649, 136-141	2.2	3
24	Low-energy dc ion source for low operating pressure. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 083502	1.7	3
23	Isotropic and anisotropic wrinkling of diamond-like carbon films on polydimethylsiloxane substrates. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 234904	2.5	3
22	Gold nanoparticle formation in diamond-like carbon using two different methods: Gold ion implantation and co-deposition of gold and carbon. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 074312	2.5	3
21	Diamond microstructures fabricated using silicon molds. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2005</b> , 23, 1575-1578	2.9	3
20	Permeable diamond membranes. <i>Diamond and Related Materials</i> , <b>1995</b> , 4, 1069-1072	3.5	3

19	On the influence of PDMS (polydimethylsiloxane) substrate surface energy in wrinkling of DLC (diamond-like carbon) thin films. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 135308	2.5	3
18	Nucleation of gold nanoclusters in PMMA during energetic plasma deposition: A molecular dynamics and tFMC-Monte Carlo study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2019</b> , 112, 19-25	3	2
17	The peeling resistance of flexible laminated food packaging: Roles of the NCO:OH ratio and aluminum surface aging times <b>2018</b> , 94, 784-798		2
16	Environmental effects in Kelvin force microscopy of modified diamond surfaces. <i>Microscopy Research and Technique</i> , <b>2012</b> , 75, 977-81	2.8	2
15	Development of microvalves for gas flow control in micronozzles using PVDF piezoelectric polymer. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 100, 052046	0.3	2
14	ELECTRICAL RESISTIVITY OF VERY THIN METALLIC FILMS WITH ISOTROPIC AND ANISOTROPIC SURFACES. <i>Surface Review and Letters</i> , <b>2007</b> , 14, 345-356	1.1	2
13	Measurement of Electrical Resistivity of Nanostructured Platinum Thin Films and Quantum Mechanical Estimates. <i>Journal of Metastable and Nanocrystalline Materials</i> , <b>2004</b> , 20-21, 775-780	0.2	2
12	Characterization of Ultrathin Films of Cellulose Esters. <i>Microscopy and Microanalysis</i> , <b>2005</b> , 11, 94-97	0.5	2
11	SURFACE-INDUCED ELECTRICAL RESISTIVITY OF CONDUCTING THIN FILMS. <i>Surface Review and Letters</i> , <b>2005</b> , 12, 221-226	1.1	2
10	Quantitative Analysis of Surface Morphology and Applications. <i>Nanoscience and Technology</i> , <b>2009</b> , 153-180	0.5	2
9	CO2 Laser Glazing Treatment of a Veneering Porcelain: Effects on Porosity, Translucency, and Mechanical Properties. <i>Operative Dentistry</i> , <b>2015</b> , 40, 247-54	2.9	1
8	Gold ion implantation into alumina using an "inverted ion source" configuration. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 02B502	1.7	1
7	Nanocomposite formed by titanium ion implantation into alumina. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 184306	2.5	1
6	Cavity generation in dental enamel using a copper-HyBRID laser. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2007</b> , 18, 1507-13	4.5	1
5	Self-screening of Langmuir-Blodgett films by a discotic micellar lyotropic liquid crystal. <i>Liquid Crystals</i> , <b>1998</b> , 24, 793-798	2.3	1
4	Zirconium Based Metal Pretreatments: A Characterization Method for Ecologically Sustainable Thin Film Surface Pretreatments. <i>Materials Science Forum</i> , <b>2016</b> , 869, 693-698	0.4	
3	Critical parameter determination of sonic flow controller diamond microtubes and micronozzles. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2007</b> , 25, 1804		
2	Characterization of Diamond Replicas Microfabricated Using Silicon Molds. <i>Journal of Metastable and Nanocrystalline Materials</i> , <b>2004</b> , 20-21, 195-200	0.2	



- 1 Self-assembled Au and Pt nanoparticles in Poly(methyl methacrylate). *Microscopy Research and Technique*, **2021**, 84, 1498-1505 2.8