

Alberto Quaranta

List of Publications by Year in descending order

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185
papers

3,493
citations

117625

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214800

47
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189
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189
docs citations

189
times ranked

3309
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal annealing and laser induced structural rearrangement and silver state modification in Ag ⁺ -Na ⁺ ion-exchanged silicate glasses studied by Raman spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2021, 552, 120455.	3.1	7
2	Polysiloxane-Based Scintillators. <i>Topics in Applied Physics</i> , 2021, , 169-199.	0.8	3
3	MoS ₂ Based Photodetectors: A Review. <i>Sensors</i> , 2021, 21, 2758.	3.8	77
4	Direct detection of 5-MeV protons by flexible organic thin-film devices. <i>Science Advances</i> , 2021, 7, .	10.3	11
5	Plasma-Assisted Deposition of Silk Fibroin on Different Surfaces. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100324.	3.7	11
6	Imaging the Morphological Structure of Silk Fibroin Constructs through Fluorescence Energy Transfer and Confocal Microscopy. <i>Electronic Materials</i> , 2021, 2, 186-197.	1.9	3
7	Thermal annealing and laser-induced mechanisms in controlling the size and size-distribution of silver nanoparticles in Ag ⁺ -Na ⁺ ion-exchanged silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2021, 563, 120815.	3.1	4
8	2D-MoS ₂ goes 3D: transferring optoelectronic properties of 2D MoS ₂ to a large-area thin film. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	7.9	31
9	Optical and radioluminescence properties of ZnO:Zn as a function of reduction degree and treatment temperature. <i>Journal of Applied Physics</i> , 2021, 130, 085104.	2.5	0
10	Thin Films of Plasma-Polymerized n-Hexane and ZnO Nanoparticles Co-Deposited via Atmospheric Pressure Plasma Jet. <i>Coatings</i> , 2021, 11, 167.	2.6	6
11	Real-Time Optical Response of Polysiloxane/Quantum Dot Nanocomposites under 2-MeV Proton Irradiation: Luminescence Enhancement of Polysiloxane Emission through Quantum Dot Sensitization. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900586.	1.8	3
12	Preliminary evaluation of the production of non-carrier added ¹¹¹ Ag as core of a therapeutic radiopharmaceutical in the framework of ISOLPHARM_Ag experiment. <i>Applied Radiation and Isotopes</i> , 2020, 164, 109258.	1.5	10
13	Temperature effects on light yield and pulse shape discrimination capability of siloxane based scintillators. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	5
14	Aluminum doped zinc oxide coatings at low temperature by atmospheric pressure plasma jet. <i>Thin Solid Films</i> , 2020, 708, 138118.	1.8	6
15	Unravelling Work Function Contributions and Their Engineering in 2H-MoS ₂ Single Crystal Discovered by Molecular Probe Interaction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6732-6740.	3.1	4
16	Pulsed laser deposition of nanostructured tungsten oxide films: A catalyst for water remediation with concentrated sunlight. <i>Materials Science in Semiconductor Processing</i> , 2020, 119, 105237.	4.0	14
17	A Thermal-Reflow-Based Low-Temperature, High-Pressure Sintering of Lyophilized Silk Fibroin for the Fast Fabrication of Biosubstrates. <i>Advanced Functional Materials</i> , 2019, 29, 1901134.	14.9	29
18	Optical properties and pulse shape discrimination in siloxane-based scintillation detectors. <i>Scientific Reports</i> , 2019, 9, 9154.	3.3	24

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19	Flexible scintillation sensors for the detection of thermal neutrons based on siloxane 6LiF containing composites: Role of 6LiF crystals size and dispersion. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 925, 109-115.	1.6	10
20	Solar Concentration for Wastewaters Remediation: A Review of Materials and Technologies. Applied Sciences (Switzerland), 2019, 9, 118.	2.5	44
21	Preparation and Statistical Characterization of Tunable Porous Sponge Scaffolds using UV Cross-linking of Methacrylate-Modified Silk Fibroin. ACS Biomaterials Science and Engineering, 2019, 5, 6374-6388.	5.2	43
22	A dry film technology for the manufacturing of 3-D multi-layered microstructures and buried channels for lab-on-chip. Microsystem Technologies, 2019, 25, 3219-3233.	2.0	7
23	AN ONLINE, RADIATION HARD PROTON ENERGY-RESOLVING SCINTILLATOR STACK FOR LASER-DRIVEN PROTON BUNCHES. Radiation Protection Dosimetry, 2018, 180, 291-295.	0.8	3
24	A comparative study of the refractive index of silk protein thin films towards biomaterial based optical devices. Optical Materials, 2018, 78, 407-414.	3.6	47
25	Versatile and Scalable Strategy To Grow Sol-Gel Derived 2H-MoS ₂ Thin Films with Superior Electronic Properties: A Memristive Case. ACS Applied Materials & Interfaces, 2018, 10, 34392-34400.	8.0	22
26	Proton Irradiation Effects on Colloidal InGaP/ZnS Core-Shell Quantum Dots Embedded in Polydimethylsiloxane: Discriminating Core from Shell Radiation-Induced Defects through Time-Resolved Photoluminescence Analysis. Journal of Physical Chemistry C, 2018, 122, 22170-22177.	3.1	7
27	Siloxane-Based Nanocomposites Containing 6LiF Nanocrystals for Thermal Neutrons Detection. Acta Physica Polonica A, 2018, 134, 405-408.	0.5	4
28	Fabrication of Nanoscale Patternable Films of Silk Fibroin Using Benign Solvents. Macromolecular Materials and Engineering, 2017, 302, 1700110.	3.6	33
29	Carbonate and Silicate Abundance Indexing in Coarse-Grained River Sediments Using Diffuse Reflection Infrared Spectroscopy (DRIFTS) and Ion-Beam-Induced Luminescence (IBIL) Spectroscopies. Applied Spectroscopy, 2017, 71, 1222-1230.	2.2	6
30	PARAFAC analysis of IBIL spectra from silver ion exchanged glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 346-350.	3.9	0
31	6LiF oleic acid capped nanoparticles entrapment in siloxanes for thermal neutron detection. AIP Conference Proceedings, 2016, , .	0.4	1
32	Pulse Shape Discrimination in Polysiloxane-Based Liquid Scintillator. IEEE Transactions on Nuclear Science, 2016, , 1-8.	2.0	1
33	A new geometry for hybrid detectors of neutrons based on microstructured silicon sensors filled with ^{10}B . , 2015, , .		2
34	Thermal neutron detection by entrapping ^6LiF nanocrystals in siloxane scintillators. Journal of Physics: Conference Series, 2015, 620, 012010.	0.4	8
35	Luminescent solar concentrators employing new $\text{Eu}(\text{TTA})_3\text{phen}$ containing parylene films. Progress in Photovoltaics: Research and Applications, 2015, 23, 1037-1044.	8.1	19
36	Ag^+Na^+ ion exchanged silicate glasses for solar cells covering: Down-shifting properties. Ceramics International, 2015, 41, 7221-7226.	4.8	32

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37	Yttrium silicate and oxonitridosilicate luminescent materials from a silicone resin and nano-sized fillers. <i>Optical Materials</i> , 2015, 46, 585-590.	3.6	3
38	Non-toxic liquid scintillators with high light output based on phenyl-substituted siloxanes. <i>Optical Materials</i> , 2015, 42, 111-117.	3.6	16
39	Concerning the role of cell lysis-cryptic growth in anaerobic side-stream reactors: The single-cell analysis of viable, dead and lysed bacteria. <i>Water Research</i> , 2015, 74, 132-142.	11.3	68
40	Ion beam induced luminescence analysis of defect evolution in lithium fluoride under proton irradiation. <i>Optical Materials</i> , 2015, 49, 1-5.	3.6	9
41	Characterization of 3D and planar Si diodes with different neutron converter materials. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 796, 23-28.	1.6	8
42	Novel 3D silicon sensors for neutron detection. <i>Journal of Instrumentation</i> , 2014, 9, C05001-C05001.	1.2	11
43	Highly fluorescent xerogels with entrapped carbon dots for organic scintillators. <i>Thin Solid Films</i> , 2014, 553, 188-192.	1.8	18
44	Cross-sectional Raman micro-spectroscopy study of silver nanoparticles in soda-lime glasses. <i>Journal of Non-Crystalline Solids</i> , 2014, 401, 219-223.	3.1	8
45	Adsorptive properties of sol-gel derived hybrid organic/inorganic coatings. <i>Materials Chemistry and Physics</i> , 2014, 147, 954-962.	4.0	13
46	Ion exchange doping of solar cell coverglass for sunlight down-shifting. <i>Solar Energy Materials and Solar Cells</i> , 2014, 130, 272-280.	6.2	42
47	Field-driven diffusion of transition metal and rare-earth ions in silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2014, 405, 39-44.	3.1	6
48	Red Emitting Phenyl-Polysiloxane Based Scintillators for Neutron Detection. <i>IEEE Transactions on Nuclear Science</i> , 2014, 61, 2052-2058.	2.0	15
49	IBIL analysis of road dust samples from San Bernardo tunnel. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 459-464.	3.9	3
50	Physical vapour deposition reactive magnetron sputtering for the production and application of dichroics in photovoltaic system with solar spectral splitting. <i>Applied Surface Science</i> , 2014, 308, 170-175.	6.1	3
51	Analysis of the surface structure of soda lime silicate glass after chemical strengthening in different KNO ₃ salt baths. <i>Journal of Non-Crystalline Solids</i> , 2014, 401, 105-109.	3.1	32
52	Ion Beam Induced Luminescence capabilities for the analysis of coarse-grained river sediments. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 1-8.	3.9	3
53	Novel Scintillating Materials Based on Phenyl-Polysiloxane for Neutron Detection and Monitoring. <i>Springer Proceedings in Physics</i> , 2014, , 151-157.	0.2	1
54	Glass structure modifications induced by diffusion of chromium ions into silicate glasses: An investigation by in-depth profiling Raman micro-spectroscopy. <i>Solid State Ionics</i> , 2013, 230, 59-65.	2.7	8

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55	Hybrid detectors for neutrons combining phenyl-polysiloxanes with 3D silicon detectors. , 2013, , .		3
56	Red emitting phenyl-polysiloxane based scintillators for neutron detection. , 2013, , .		0
57	Characterization of polysiloxane organic scintillators produced with different phenyl containing blends. Materials Chemistry and Physics, 2013, 137, 951-958.	4.0	33
58	Deposition and Characterization of Luminescent Eu(tta) ₃ phenyl-Doped Parylene-Based Thin-Film Materials. ChemPhysChem, 2013, 14, 1853-1863.	2.1	12
59	Dye-doped parylene-based thin film materials: Application to luminescent solar concentrators. Solar Energy Materials and Solar Cells, 2013, 108, 27-37.	6.2	44
60	Hybrid detectors of neutrons based on 3D silicon sensors with PolySiloxane converter. , 2013, , .		3
61	Raman Microspectroscopy Investigation of Ag Ion-Exchanged Glass Layers. Journal of Nanoscience and Nanotechnology, 2012, 12, 8573-8579.	0.9	8
62	Multivariate analysis of Ion Beam Induced Luminescence spectra of irradiated silver ion-exchanged silicate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 533-539.	3.9	6
63	Ag clustering investigation in laser irradiated ion-exchanged glasses by optical and vibrational spectroscopy. Applied Surface Science, 2012, 258, 9399-9403.	6.1	18
64	Spectroscopic Investigation of Structural Rearrangements in Silver Ion-Exchanged Silicate Glasses. Journal of Physical Chemistry C, 2012, 116, 3757-3764.	3.1	62
65	Organic Semiconducting Single Crystals as Next Generation of Low-Cost, Room-Temperature Electrical X-ray Detectors. Advanced Materials, 2012, 24, 2289-2293.	21.0	84
66	Dye-doped polysiloxane rubbers for luminescent solar concentrator systems. Solar Energy Materials and Solar Cells, 2012, 103, 114-118.	6.2	65
67	Spectral properties of 3-hydroxyflavone embedded in polysiloxane: Effects of the polymerization method. Optical Materials, 2012, 34, 1219-1224.	3.6	14
68	Doped polysiloxane scintillators for thermal neutrons detection. Journal of Non-Crystalline Solids, 2011, 357, 1921-1925.	3.1	36
69	Chromium doping of silicate glasses by field-assisted solid-state ion exchange. Journal of Non-Crystalline Solids, 2011, 357, 1846-1850.	3.1	10
70	Novel polysiloxane-based scintillators for neutron detection. Radiation Protection Dosimetry, 2011, 143, 471-476.	0.8	35
71	Real time intracellular pH dynamics in Listeria innocua under CO2 and N2O pressure. Journal of Supercritical Fluids, 2011, 58, 385-390.	3.2	7
72	Multivariate analysis as a tool for Ion Beam Induced Luminescence (IBIL) spectra interpretation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 353-358.	3.9	4

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73	Effect of functional groups on condensation and properties of sol-gel silica nanoparticles prepared by direct synthesis from organoalkoxysilanes. <i>Materials Chemistry and Physics</i> , 2011, 126, 909-917.	4.0	34
74	Radiation hardness of polysiloxane scintillators analyzed by ion beam induced luminescence. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 3155-3159.	1.4	24
75	Laser beam irradiation of silver doped silicate glasses. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 3177-3182.	1.4	24
76	Field-assisted solid state doping of glasses for optical materials. <i>Optical Materials</i> , 2010, 32, 1352-1355.	3.6	7
77	Doping of polysiloxane rubbers for the production of organic scintillators. <i>Optical Materials</i> , 2010, 32, 1317-1320.	3.6	26
78	Intracellular pH measurement during high-pressure CO ₂ pasteurization evaluated by cell fluorescent staining. <i>Journal of Supercritical Fluids</i> , 2010, 53, 185-191.	3.2	20
79	A novel technique for doping silicate glasses with transition metals and rare-earth for waveguides applications. , 2010, , .		0
80	Optical and Scintillation Properties of Polydimethyl-Diphenylsiloxane Based Organic Scintillators. <i>IEEE Transactions on Nuclear Science</i> , 2010, 57, 891-900.	2.0	38
81	Optical Vapors Sensing Capabilities of Polymers of Intrinsic Microporosity. <i>Lecture Notes in Electrical Engineering</i> , 2010, , 55-58.	0.4	1
82	Growth, characterization and sensing capabilities of 5,10,15,20-meso-tetraphenyl iron (III) porphyrin chloride films obtained by means of a novel plasma-based deposition technique. <i>Sensors and Actuators B: Chemical</i> , 2009, 136, 290-296.	7.8	15
83	Real-time monitoring of cell membrane modification during supercritical CO ₂ pasteurization. <i>Journal of Supercritical Fluids</i> , 2009, 48, 93-97.	3.2	49
84	Optical properties of free-base tetraphenylporphyrin embedded in fluorinated polyimides and their ethanol and water vapours sensing capabilities. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 281-290.	7.8	25
85	Ag Site in Ag-for-Na Ion-Exchanged Borosilicate and Germanate Glass Waveguides. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8930-8937.	3.1	14
86	Silver and gold doping of SiO ₂ glass by solid-state field-assisted diffusion. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 1136-1139.	3.1	21
87	Characterization of silicate glasses doped with gold by solid-state field-assisted ion exchange. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 149, 195-199.	3.5	24
88	Radiation damage mechanisms in CsI(Tl) studied by ion beam induced luminescence. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 2723-2728.	1.4	18
89	Field-assisted ion diffusion in dielectric matrices: Er ³⁺ in silicate glass. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 146, 163-166.	3.5	9
90	Plasma-deposited copper phthalocyanine: A single gas-sensing material with multiple responses. <i>Sensors and Actuators B: Chemical</i> , 2008, 131, 496-503.	7.8	12

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91	Porphyrin-containing polyimide films deposited by high vacuum co-evaporation. <i>European Polymer Journal</i> , 2008, 44, 3628-3639.	5.4	17
92	Modelling the ion exchange process in glass: Phenomenological approaches and perspectives. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 149, 133-139.	3.5	41
93	Ion beam induced luminescence on white inorganic pigments for paintings. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 2301-2305.	1.4	7
94	Use of silica microspheres having refractive index similar to bacteria for conversion of flow cytometric forward light scatter into biovolume. <i>Water Research</i> , 2008, 42, 3757-3766.	11.3	66
95	Alcohol sensing capability of platinum octaethylporphyrin embedded into a fluorinated polyimide. , 2008, , .		1
96	Structural properties of reactively sputtered Wâ€™Siâ€™N thin films. <i>Journal of Applied Physics</i> , 2007, 102, 033505.	2.5	8
97	Plasma Deposited Porphyrin/Phthalocyanine Films as Promising Optical Gas Sensing Materials. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1010, 1.	0.1	0
98	Development of new H 2 TPP porphyrin films with improved optical sensing capabilities. , 2007, , .		0
99	Ion beam induced luminescence analysis of painting pigments. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 254, 289-294.	1.4	21
100	Surface plasmon resonance study on the optical sensing properties of nanometric polyimide films to volatile organic vapours. <i>Sensors and Actuators B: Chemical</i> , 2007, 120, 712-718.	7.8	13
101	Optical sensing properties of CoTPP thin films deposited by glow-discharge-induced sublimation. <i>Sensors and Actuators B: Chemical</i> , 2007, 122, 613-619.	7.8	31
102	Volatile organic compounds detection using porphyrin-based metal-cladding leaky waveguides. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 231-236.	7.8	13
103	Optical response of plasma-deposited zinc phthalocyanine films to volatile organic compounds. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 150-156.	7.8	21
104	Formation of silver nanoclusters in transparent polyimides by Ag-K ion-exchange process. <i>European Physical Journal D</i> , 2007, 42, 243-251.	1.3	12
105	Optical sensing responses of tetraphenyl porphyrins toward alcohol vapours: A comparison between vacuum evaporated and spin-coated thin films. <i>Sensors and Actuators B: Chemical</i> , 2007, 122, 620-626.	7.8	50
106	Effects of Heat Treatments on the Properties of Copper Phthalocyanine Films Deposited by Glow-Discharge-Induced Sublimation. <i>Chemistry of Materials</i> , 2006, 18, 4195-4204.	6.7	17
107	Composition and resistivity changes of reactively sputtered Wâ€™Siâ€™N thin films under vacuum annealing. <i>Applied Physics Letters</i> , 2006, 88, 031917.	3.3	4
108	Optical Properties of a Fluorinated Polyimide as Related to Ethanol and Water-Vapor-Sensing Capability. <i>IEEE Sensors Journal</i> , 2006, 6, 1445-1453.	4.7	3

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109	Field-assisted ion diffusion of transition metals for the synthesis of nanocomposite silicate glasses. <i>Materials Science and Engineering C</i> , 2006, 26, 1087-1091.	7.3	33
110	Optical response of 6FDA- <i>o</i> -DAD fluorinated polyimide to water and alcohols. <i>Sensors and Actuators B: Chemical</i> , 2006, 118, 393-398.	7.8	9
111	Diffusion behavior of transition metals in field-assisted ion-exchanged glasses. <i>Solid State Ionics</i> , 2006, 177, 3151-3155.	2.7	43
112	Optical sensing to organic vapors of fluorinated polyimide nanocomposites containing silver nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2006, 118, 418-424.	7.8	13
113	Production and Characterization of Thin Film Materials for Indoor Optical Gas Sensing Applications. <i>Journal of Physics: Conference Series</i> , 2006, 41, 531-534.	0.4	1
114	Microstructural Evolution of Thermally Treated Low-Dielectric Constant SiOC:H Films Prepared by PECVD. <i>Journal of the Electrochemical Society</i> , 2006, 153, F46.	2.9	35
115	Analysis of art objects by means of ion beam induced luminescence. <i>Journal of Physics: Conference Series</i> , 2006, 41, 543-546.	0.4	5
116	Recent developments of ion beam induced luminescence: radiation hardness study of thin film plastic scintillators. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 240, 117-123.	1.4	24
117	Deposition of copper phthalocyanine films by glow discharge-induced sublimation for gas sensing applications. <i>Surface and Coatings Technology</i> , 2005, 200, 476-480.	4.8	11
118	XPS study of the molecular damage of polyimide precursor monomers deposited by glow discharge-induced sublimation. <i>Surface and Coatings Technology</i> , 2005, 200, 481-485.	4.8	3
119	Copper diffusion in ion-exchanged soda-lime glass. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 1065-1071.	2.3	43
120	Study of the gas optical sensing properties of Au-polyimide nanocomposite films prepared by ion implantation. <i>Sensors and Actuators B: Chemical</i> , 2005, 111-112, 225-229.	7.8	37
121	Deposition of silica-silver nanocomposites by magnetron cosputtering. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005, 23, 11.	1.6	3
122	Vibrational spectroscopy study of Ar ⁺ -ion irradiated Si-rich oxide films grown by plasma-enhanced chemical vapor deposition. <i>Journal of Applied Physics</i> , 2005, 97, 113502.	2.5	13
123	Polyimide-based scintillators studied by ion beam induced luminescence. <i>IEEE Transactions on Nuclear Science</i> , 2005, 52, 748-751.	2.0	7
124	Deposition of Copper Phthalocyanine Films by Glow-Discharge-Induced Sublimation. <i>Chemistry of Materials</i> , 2005, 17, 1895-1904.	6.7	42
125	Cu-alkali ion exchange in glass: a model for the copper diffusion based on XAFS experiments. <i>Computational Materials Science</i> , 2005, 33, 31-36.	3.0	14
126	Structural and functional characterization of W-Si-N sputtered thin films for copper metallizations. <i>Materials Research Society Symposia Proceedings</i> , 2004, 812, F3.10.1.	0.1	4

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127	Synthesis and luminescent properties of novel Eu ²⁺ -doped silicon oxycarbide glasses. <i>Optical Materials</i> , 2004, 24, 601-605.	3.6	22
128	Effects of thermal annealing on the structural properties of sputtered W ⁵⁺ -Si ⁴⁺ -N diffusion barriers. <i>Materials Science in Semiconductor Processing</i> , 2004, 7, 325-330.	4.0	9
129	3-Hydroxyflavone-based wavelength shifting systems for near UV optical sensors. <i>Sensors and Actuators A: Physical</i> , 2004, 113, 288-292.	4.1	19
130	Vibrational spectroscopy characterization of low-dielectric constant SiOC:H films prepared by PECVD technique. <i>Materials Science in Semiconductor Processing</i> , 2004, 7, 295-300.	4.0	16
131	Structure and optical properties of Au-polyimide nanocomposite films prepared by ion implantation. <i>Applied Physics Letters</i> , 2004, 85, 5712-5714.	3.3	58
132	Glow-Discharge-Induced Sublimation of Polyimide Precursor Monomers: A Systematic Study. <i>Chemistry of Materials</i> , 2004, 16, 2394-2403.	6.7	8
133	Formation of copper nanocrystals in alkali-lime silica glass by means of different reducing agents. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 671-675.	3.1	17
134	Towards controllable optical response of GaN quantum dots in alumina. <i>European Physical Journal D</i> , 2003, 25, 25-29.	1.3	3
135	Optical Study of The Matrix Effect on the ESIPT Mechanism of 3-HF Doped Sol-Gel Glass. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 931-935.	2.4	18
136	Silver nanocluster formation in ion-exchanged glasses by annealing, ion beam and laser beam irradiation: An EXAFS study. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 200, 185-190.	1.4	37
137	Deposition of fluorescent organic coatings by glow discharge induced sublimation. <i>Surface and Coatings Technology</i> , 2003, 174-175, 1151-1158.	4.8	4
138	Effects of proton irradiation on glass filter substrates for the Rosetta mission. <i>Applied Optics</i> , 2003, 42, 3970.	2.1	26
139	Probing the chemical environment of 3-hydroxyflavone doped ormosils by a spectroscopic study of excited state intramolecular proton transfer. <i>Journal of Non-Crystalline Solids</i> , 2003, 322, 1-6.	3.1	12
140	New high radiation resistant scintillating thin films. <i>Synthetic Metals</i> , 2003, 138, 275-279.	3.9	21
141	Deposition of Thin Dye Coatings by Glow Discharge Induced Sublimation. <i>Chemistry of Materials</i> , 2002, 14, 4790-4795.	6.7	16
142	Scintillation mechanism and efficiency of ternary scintillator thin films. <i>IEEE Transactions on Nuclear Science</i> , 2002, 49, 2610-2615.	2.0	5
143	Copper doping of silicate glasses by the ion-exchange technique: A photoluminescence spectroscopy study. <i>Journal of Applied Physics</i> , 2002, 91, 90.	2.5	87
144	Synthesis of wide band gap nanocrystals by ion implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 191, 447-451.	1.4	21

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145	Polymer film degradation under ion irradiation studied by ion beam induced luminescence (IBIL) and optical analyses. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 680-684.	1.4	22
146	Synthesis and characterization of dye-containing fluorinated polyimide thin films. Synthetic Metals, 2001, 124, 75-77.	3.9	5
147	Synthesis of GaN quantum dots by ion implantation in dielectrics. Journal of Applied Physics, 2001, 90, 4467-4473.	2.5	48
148	Optical study of dye-containing fluorinated polyimide thin films. Applied Physics A: Materials Science and Processing, 2001, 72, 671-677.	2.3	10
149	Synthesis, structure and optical properties of GaN nanocrystals prepared by sequential ion implantation in dielectrics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 82, 148-150.	3.5	7
150	Polyimide-based scintillating thin films. IEEE Transactions on Nuclear Science, 2001, 48, 219-224.	2.0	18
151	Clustering of silver atoms in hydrogenated silver-sodium exchanged glasses. Applied Physics A: Materials Science and Processing, 2000, 70, 415-419.	2.3	34
152	Au ⁺ /Cu Alloy Nanocluster Doped SiO ₂ Films by Sol ⁻ Gel Processing. Chemistry of Materials, 2000, 12, 2157-2160.	6.7	44
153	The CANDIDO project: development of a CVD diamond dosimeter for applications in radiotherapy. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 587-591.	0.4	7
154	Synthesis of silver clusters in silica-based glasses for optoelectronics applications. Journal of Non-Crystalline Solids, 1999, 245, 122-128.	3.1	90
155	Silver cluster formation in ion-exchanged waveguides: processing technique and phenomenological model. Journal of Non-Crystalline Solids, 1999, 253, 261-267.	3.1	17
156	Spectroscopic investigation of silver in soda-lime glass. Chemical Physics Letters, 1998, 284, 429-434.	2.6	80
157	Ion-induced conversion of polysiloxanes and polycarbosilanes into ceramics: Mechanisms and properties. Nuclear Instruments & Methods in Physics Research B, 1998, 141, 652-662.	1.4	14
158	Formation of metallic nanophases in silica by ion beam mixing. Part II: cluster formation. Applied Physics A: Materials Science and Processing, 1998, 67, 241-247.	2.3	14
159	Experimental study of copper ²⁺ alkali ion exchange in glass. Journal of Applied Physics, 1998, 83, 1200-1206.	2.5	72
160	Copper-doped ion-exchanged waveguide characterization. Journal of Modern Optics, 1998, 45, 837-845.	1.3	18
161	Formation of nonlinear optical MQD (metal quantum dot) in waveguides and modification by high-power laser irradiation. , 1998, 3405, 533.		3
162	<title>Metal nanocluster formation in thin films and ion-exchanged waveguides for nonlinear optical application</title>. , 1998, 3211, 21.		0

#	ARTICLE	IF	CITATIONS
163	Characterization of metal quantum-dot composites by optical absorption spectroscopy. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1997, 76, 615-619.	0.6	5
164	Surface treatment of HV electrodes for superconducting cyclotron beam extraction. IEEE Transactions on Dielectrics and Electrical Insulation, 1997, 4, 218-223.	2.9	9
165	Titanium nitride insulation for the deflector of superconducting cyclotrons. IEEE Transactions on Dielectrics and Electrical Insulation, 1997, 4, 300-305.	2.9	0
166	Ion-beam mixing of metal-insulator multilayers: a promising technique for the formation of metallic nanophases. Nuclear Instruments & Methods in Physics Research B, 1997, 127-128, 574-578.	1.4	4
167	Silver nanoclusters formation in ion-exchanged waveguides by annealing in hydrogen atmosphere. Applied Physics A: Materials Science and Processing, 1996, 63, 403-407.	2.3	65
168	High-energy ion-beam mixing: A new route to form metallic nanoclusters in a dielectric matrix. Nuclear Instruments & Methods in Physics Research B, 1996, 115, 561-564.	1.4	15
169	Formation of nonlinear optical waveguides by using ion-exchange and implantation techniques. Nuclear Instruments & Methods in Physics Research B, 1996, 116, 507-510.	1.4	30
170	Construction of glass waveguide refractive index profiles by the effective-index finite-difference method. Optical Materials, 1996, 5, 321-326.	3.6	10
171	Silver nanoclusters formation in ion-exchanged waveguides by annealing in hydrogen atmosphere. Applied Physics A: Materials Science and Processing, 1996, 63, 403-407.	2.3	2
172	Analysis of Ti:LiNbO ₃ waveguides using secondary ion mass spectrometry and near field method. Electronics Letters, 1995, 31, 1054-1056.	1.0	4
173	Irradiation-induced Ag-colloid formation in ion-exchanged soda-lime glass. Nuclear Instruments & Methods in Physics Research B, 1995, 96, 382-386.	1.4	50
174	Silver colloidal waveguides for non-linear optics: a new methodology. Journal of Optics, 1995, 4, 771-776.	0.5	9
175	Silver implantation on K ⁺ -Na ⁺ ion-exchanged glass waveguides. Electronics Letters, 1995, 31, 968-969.	1.0	4
176	On the role of local electric field correlation effects on the ionic interdiffusion in soda-lime glass. Journal of Non-Crystalline Solids, 1995, 192-193, 334-337.	3.1	12
177	Secondary ion mass spectrometry and near field studies of Ti:LiNbO ₃ optical waveguides. Journal of Applied Physics, 1995, 78, 5345-5350.	2.5	54
178	Refractive-index Profiles of Double-silver-exchanged Glass Systems. Journal of Modern Optics, 1994, 41, 1-4.	1.3	3
179	SIMS-RBS depth profiling of silver-diffused glass systems. Surface and Interface Analysis, 1994, 21, 210-212.	1.8	9
180	<title>Optical and compositional characterization of Ag-containing waveguiding systems</title>. , 1994, , .		1

#	ARTICLE	IF	CITATIONS
181	On the recovery of refractive-index profiles of ion-exchanged glass waveguides. Journal of Optics, 1993, 2, 405-409.	0.5	9
182	Stress-induced Birefringence in Silver-diffused Glass Waveguides. Journal of Modern Optics, 1992, 39, 1401-1405.	1.3	8
183	<title>Stress analysis in ion-exchanged waveguides by using a polarimetric technique</title>. , 1991, 1513, 425.		1
184	Polyimide-based scintillators studied by ion beam induced luminescence. , 0, , .		0
185	Atmospheric Plasma-Assisted Deposition and Patterning of Natural Polymers. Advanced Materials Interfaces, 0, , 2200454.	3.7	3