

Marco Cannas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1550498/publications.pdf>

Version: 2024-02-01

262
papers

4,606
citations

101543

36
h-index

168389

53
g-index

264
all docs

264
docs citations

264
times ranked

4090
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Enhancing carbon dots fluorescence via plasmonic resonance energy transfer. <i>Materials Research Bulletin</i> , 2022, 149, 111746. | 5.2 | 6 |
| 2 | Multiphoton process investigation in silica by UV femtosecond laser. <i>Journal of Non-Crystalline Solids</i> , 2022, 580, 121384. | 3.1 | 4 |
| 3 | Temperature and time dependent electron trapping in Al ₂ O ₃ thin films onto AlGa _N /Ga _N heterostructures. <i>Applied Surface Science</i> , 2022, 579, 152136. | 6.1 | 3 |
| 4 | Decagram-Scale Synthesis of Multicolor Carbon Nanodots: Self-Tracking Nanoheaters with Inherent and Selective Anticancer Properties. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2551-2563. | 8.0 | 15 |
| 5 | Multiscale Investigation of the Structural, Electrical and Photoluminescence Properties of MoS ₂ Obtained by MoO ₃ Sulfurization. <i>Nanomaterials</i> , 2022, 12, 182. | 4.1 | 15 |
| 6 | Photoinduced charge separation in functional carbon-silver nanohybrids. <i>Physical Chemistry Chemical Physics</i> , 2022, , . | 2.8 | 0 |
| 7 | Photocycle of point defects in highly- and weakly-germanium doped silica revealed by transient absorption measurements with femtosecond tunable pump. <i>Scientific Reports</i> , 2022, 12, . | 3.3 | 1 |
| 8 | Electron transfer between carbon dots and tetranuclear Dawson-derived sandwich polyanions. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 17654-17664. | 2.8 | 1 |
| 9 | Harnessing Molecular Fluorophores in the Carbon Dots Matrix: The Case of Safranin O. <i>Nanomaterials</i> , 2022, 12, 2351. | 4.1 | 3 |
| 10 | Ultraviolet-visible light-induced solarisation in silica-based optical fibres for indoor solar applications. <i>Journal of Non-Crystalline Solids</i> , 2021, 552, 120458. | 3.1 | 3 |
| 11 | Disclosing the emissive surface traps in green-emitting carbon nanodots. <i>Carbon</i> , 2021, 173, 454-461. | 10.3 | 16 |
| 12 | Transient absorption with a femtosecond tunable excitation pump reveals the emission kinetics of color centers in amorphous silica. <i>Optics Letters</i> , 2021, 46, 1736. | 3.3 | 1 |
| 13 | Photoluminescence of Point Defects in Silicon Dioxide by Femtosecond Laser Exposure. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000802. | 1.8 | 2 |
| 14 | Near-IR Radiation-Induced Attenuation of Aluminosilicate Optical Fibers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000807. | 1.8 | 8 |
| 15 | A Comparative Study of Top-Down and Bottom-Up Carbon Nanodots and Their Interaction with Mercury Ions. <i>Nanomaterials</i> , 2021, 11, 1265. | 4.1 | 25 |
| 16 | Fluorescent Carbon Nanodots as Sensors of Toxic Metal Ions and Pesticides. <i>Engineering Proceedings</i> , 2021, 6, . | 0.4 | 1 |
| 17 | Strain, Doping, and Electronic Transport of Large Area Monolayer MoS ₂ Exfoliated on Gold and Transferred to an Insulating Substrate. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 31248-31259. | 8.0 | 49 |
| 18 | Structure Effects Induced by High Mechanical Compaction of STAM-17- Et MOF Powders. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2334-2342. | 2.0 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Performance Analysis of a Prototype High-Concentration Photovoltaic System Coupled to Silica Optical Fibers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100027. | 1.8 | 1 |
| 20 | Substrate impact on the thickness dependence of vibrational and optical properties of large area MoS ₂ produced by gold-assisted exfoliation. <i>Applied Physics Letters</i> , 2021, 119, . | 3.3 | 25 |
| 21 | Direct Atomic Layer Deposition of Ultrathin Aluminum Oxide on Monolayer MoS ₂ Exfoliated on Gold: The Role of the Substrate. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101117. | 3.7 | 10 |
| 22 | Ultrafast Interface Charge Separation in Carbon Nanodot-Nanotube Hybrids. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49232-49241. | 8.0 | 5 |
| 23 | Sensing of Transition Metals by Top-Down Carbon Dots. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10360. | 2.5 | 3 |
| 24 | Intrinsic Point Defects in Silica for Fiber Optics Applications. <i>Materials</i> , 2021, 14, 7682. | 2.9 | 9 |
| 25 | Transient and Steady-State Radiation Response of Phosphosilicate Optical Fibers: Influence of H ₂ Loading. <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 289-295. | 2.0 | 7 |
| 26 | Synthesis of multi-color luminescent ZnO nanoparticles by ultra-short pulsed laser ablation. <i>Applied Surface Science</i> , 2020, 506, 144954. | 6.1 | 21 |
| 27 | Origins of radiation-induced attenuation in pure-silica-core and Ge-doped optical fibers under pulsed x-ray irradiation. <i>Journal of Applied Physics</i> , 2020, 128, . | 2.5 | 17 |
| 28 | Dynamic Modification of Fermi Energy in Single-Layer Graphene by Photoinduced Electron Transfer from Carbon Dots. <i>Nanomaterials</i> , 2020, 10, 528. | 4.1 | 9 |
| 29 | High-Efficiency Multi-Junction Photovoltaic Cells in School Physics Laboratory. <i>Physics Teacher</i> , 2020, 58, 126-129. | 0.3 | 3 |
| 30 | Steady-State X-Ray Radiation-Induced Attenuation in Canonical Optical Fibers. <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 1650-1657. | 2.0 | 9 |
| 31 | Highly Efficient Electron Transfer in a Carbon Dot-Polyoxometalate Nanohybrid. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4379-4384. | 4.6 | 16 |
| 32 | UV photobleaching of carbon nanodots investigated by <i>in situ</i> optical methods. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13398-13407. | 2.8 | 21 |
| 33 | NBOHCs™ photocycle revealed in synthetic silica by transient absorption measurements. , 2020, , . | | 1 |
| 34 | Metal/Semiconductor Barrier Properties of Non-Recessed Ti/Al/Ti and Ta/Al/Ta Ohmic Contacts on AlGaIn/GaN Heterostructures. <i>Energies</i> , 2019, 12, 2655. | 3.1 | 12 |
| 35 | Ultrafast spectroscopic investigation on fluorescent carbon nanodots: the role of passivation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16459-16467. | 2.8 | 19 |
| 36 | Study of silica-based intrinsically emitting nanoparticles produced by an excimer laser. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 211-221. | 2.8 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Highly Homogeneous Biotinylated Carbon Nanodots: Red-Emitting Nanoheaters as Theranostic Agents toward Precision Cancer Medicine. ACS Applied Materials & Interfaces, 2019, 11, 19854-19866. | 8.0 | 61 |
| 38 | Temperature-Dependence of Solvent-Induced Stokes Shift and Fluorescence Tunability in Carbon Nanodots. Journal of Carbon Research, 2019, 5, 20. | 2.7 | 2 |
| 39 | Influence of oxide substrates on monolayer graphene doping process by thermal treatments in oxygen. Carbon, 2019, 149, 546-555. | 10.3 | 12 |
| 40 | Overview of radiation induced point defects in silica-based optical fibers. Reviews in Physics, 2019, 4, 100032. | 8.9 | 208 |
| 41 | Barrier inhomogeneity in vertical Schottky diodes on free standing gallium nitride. Materials Science in Semiconductor Processing, 2019, 94, 164-170. | 4.0 | 30 |
| 42 | Advanced Dielectrics and Related Devices. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900019. | 1.8 | 0 |
| 43 | Effect of Halogen Ions on the Photocycle of Fluorescent Carbon Nanodots. Journal of Carbon Research, 2019, 5, 64. | 2.7 | 1 |
| 44 | Radiation Effects on Aluminosilicate Optical Fibers: Spectral Investigations From the Ultraviolet to Near-Infrared Domains. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800485. | 1.8 | 11 |
| 45 | Luminescence Efficiency of Si/SiO ₂ Nanoparticles Produced by Laser Ablation. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800565. | 1.8 | 3 |
| 46 | Effect of Hydration Procedure of Fumed Silica Precursor on the Formation of Luminescent Carbon Centers in SiO ₂ :C Nanocomposites. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800560. | 1.8 | 1 |
| 47 | Graphene-SiO ₂ Interaction from Composites to Doping. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800540. | 1.8 | 5 |
| 48 | Carbon Dots Dispersed on Graphene/SiO ₂ /Si: A Morphological Study. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800559. | 1.8 | 6 |
| 49 | Pulsed X-Ray Radiation Responses of Solarization-Resistant Optical Fibers. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800487. | 1.8 | 7 |
| 50 | Photoinduced charge transfer from Carbon Dots to Graphene in solid composite. Thin Solid Films, 2019, 669, 620-624. | 1.8 | 6 |
| 51 | Near-IR- and UV-femtosecond laser waveguide inscription in silica glasses. Optical Materials Express, 2019, 9, 4624. | 3.0 | 15 |
| 52 | Î ² -C ₃ N ₄ Nanocrystals: Carbon Dots with Extraordinary Morphological, Structural, and Optical Homogeneity. Chemistry of Materials, 2018, 30, 1695-1700. | 6.7 | 76 |
| 53 | Spectral properties and lifetime of green emission in Î ³ -ray irradiated bismuth-doped silica photonic crystal fibers. Journal of Non-Crystalline Solids, 2018, 482, 100-104. | 3.1 | 1 |
| 54 | Enhancing the luminescence efficiency of silicon-nanocrystals by interaction with H ⁺ ions. Physical Chemistry Chemical Physics, 2018, 20, 10445-10449. | 2.8 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Ag nanoparticles agargel nanocomposites for SERS detection of cultural heritage interest pigments. European Physical Journal Plus, 2018, 133, 1. | 2.6 | 8 |
| 56 | Monolayer graphene doping and strain dynamics induced by thermal treatments in controlled atmosphere. Carbon, 2018, 127, 270-279. | 10.3 | 29 |
| 57 | Multiband light emission and nanoscale chemical analyses of carbonized fumed silica. Journal of Applied Physics, 2018, 124, . | 2.5 | 6 |
| 58 | Tailoring the Emission Color of Carbon Dots through Nitrogen-Induced Changes of Their Crystalline Structure. Journal of Physical Chemistry C, 2018, 122, 19897-19903. | 3.1 | 54 |
| 59 | One-pot synthesis of graphene quantum dots and simultaneous nanostructured self-assembly via a novel microwave-assisted method: impact on triazine removal and efficiency monitoring. RSC Advances, 2018, 8, 29939-29946. | 3.6 | 35 |
| 60 | Laser wavelength effects on the refractive index change of waveguides written by femtosecond pulses in silica glasses. , 2018, , . | | 1 |
| 61 | Evolution of the sp ² content and revealed multilayer growth of amorphous hydrogenated carbon (a-C:H) films on selected thermoplastic materials. Carbon, 2017, 117, 351-359. | 10.3 | 22 |
| 62 | Irradiation temperature effects on the induced point defects in Ge-doped optical fibers.. IOP Conference Series: Materials Science and Engineering, 2017, 169, 012008. | 0.6 | 0 |
| 63 | Environment assisted photoconversion of luminescent surface defects in SiO ₂ nanoparticles. Applied Surface Science, 2017, 420, 94-99. | 6.1 | 5 |
| 64 | Coupled irradiation-temperature effects on induced point defects in germanosilicate optical fibers. Journal of Materials Science, 2017, 52, 10697-10708. | 3.7 | 3 |
| 65 | The interaction of photoexcited carbon nanodots with metal ions disclosed down to the femtosecond scale. Nanoscale, 2017, 9, 11902-11911. | 5.6 | 47 |
| 66 | Real time monitoring of water level and temperature in storage fuel pools through optical fibre sensors. Scientific Reports, 2017, 7, 8766. | 3.3 | 40 |
| 67 | Different natures of surface electronic transitions of carbon nanoparticles. Physical Chemistry Chemical Physics, 2017, 19, 22670-22677. | 2.8 | 37 |
| 68 | Nitrogen-doped carbon dots embedded in a SiO ₂ monolith for solid-state fluorescent detection of Cu ²⁺ ions. Journal of Nanoparticle Research, 2017, 19, 1. | 1.9 | 17 |
| 69 | Resonance Raman of oxygen dangling bonds in amorphous silicon dioxide. Journal of Raman Spectroscopy, 2017, 48, 230-234. | 2.5 | 7 |
| 70 | Evaluation of Distributed OFDR-Based Sensing Performance in Mixed Neutron/Gamma Radiation Environments. IEEE Transactions on Nuclear Science, 2017, 64, 61-67. | 2.0 | 11 |
| 71 | In-situ monitoring by Raman spectroscopy of the thermal doping of graphene and MoS ₂ in O ₂ -controlled atmosphere. Beilstein Journal of Nanotechnology, 2017, 8, 418-424. | 2.8 | 13 |
| 72 | Radiation hardening of rare-earth doped fiber amplifiers. , 2017, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | Investigation by Raman Spectroscopy of the Decomposition Process of HKUST-1 upon Exposure to Air. Journal of Spectroscopy, 2016, 2016, 1-7. | 1.3 | 56 |
| 74 | Effect of irradiation temperature on the radiation induced attenuation of Ge-doped fibers. , 2016, , . | | 1 |
| 75 | Ge-doped silica nanoparticles: production and characterisation. Optical Materials Express, 2016, 6, 2213. | 3.0 | 4 |
| 76 | Investigation of Coating Impact on OFDR Optical Remote Fiber-Based Sensors Performances for Their Integration in High Temperature and Radiation Environments. Journal of Lightwave Technology, 2016, 34, 4460-4465. | 4.6 | 12 |
| 77 | Radiation Characterization of Optical Frequency Domain Reflectometry Fiber-Based Distributed Sensors. IEEE Transactions on Nuclear Science, 2016, 63, 1688-1693. | 2.0 | 15 |
| 78 | Controlling the oxidation processes of Zn nanoparticles produced by pulsed laser ablation in aqueous solution. Journal of Applied Physics, 2016, 120, . | 2.5 | 7 |
| 79 | Self-limiting and complete oxidation of silicon nanostructures produced by laser ablation in water. Journal of Applied Physics, 2016, 120, . | 2.5 | 13 |
| 80 | Decomposition Process of Carboxylate MOF HKUST-1 Unveiled at the Atomic Scale Level. Journal of Physical Chemistry C, 2016, 120, 12879-12889. | 3.1 | 99 |
| 81 | Luminescence mechanisms of defective ZnO nanoparticles. Physical Chemistry Chemical Physics, 2016, 18, 16237-16244. | 2.8 | 89 |
| 82 | Fluorescent nitrogen-rich carbon nanodots with an unexpected C_3N_4 nanocrystalline structure. Journal of Materials Chemistry C, 2016, 4, 2598-2605. | 5.5 | 53 |
| 83 | Evidence of different red emissions in irradiated germanosilicate materials. Journal of Luminescence, 2016, 177, 127-132. | 3.1 | 5 |
| 84 | Insight into the defect-molecule interaction through the molecular-like photoluminescence of SiO ₂ nanoparticles. RSC Advances, 2016, 6, 93010-93015. | 3.6 | 6 |
| 85 | Substrate and atmosphere influence on oxygen p-doped graphene. Carbon, 2016, 107, 696-704. | 10.3 | 15 |
| 86 | Solvatochromism Unravels the Emission Mechanism of Carbon Nanodots. Journal of Physical Chemistry Letters, 2016, 7, 3419-3423. | 4.6 | 179 |
| 87 | Effect of thermal annealing on the luminescence of defective ZnO nanoparticles synthesized by pulsed laser ablation in water. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 890-894. | 0.8 | 4 |
| 88 | Irradiation temperature influence on the in-situ measured radiation induced attenuation of Ge-doped fibers. IEEE Transactions on Nuclear Science, 2016, , 1-1. | 2.0 | 3 |
| 89 | On-Line Characterization of Gamma Radiation Effects on Single-Ended Raman Based Distributed Fiber Optic Sensor. IEEE Transactions on Nuclear Science, 2016, 63, 2051-2057. | 2.0 | 12 |
| 90 | Effect of air on oxygen p-doped graphene on SiO ₂ . Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2341-2344. | 1.8 | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Optical Frequency Domain Reflectometer Distributed Sensing Using Microstructured Pure Silica Optical Fibers Under Radiations. IEEE Transactions on Nuclear Science, 2016, 63, 2038-2045. | 2.0 | 7 |
| 92 | Characteristics of industrially manufactured amorphous hydrogenated carbon (a-C:H) depositions on high-density polyethylene. Carbon, 2016, 96, 661-671. | 10.3 | 41 |
| 93 | Photoluminescence properties of S2 molecule trapped in Melanophlogite. Physics and Chemistry of Minerals, 2016, 43, 171-179. | 0.8 | 2 |
| 94 | Photoluminescence of Carbon Dots Embedded in a SiO ₂ Matrix. Materials Today: Proceedings, 2016, 3, S258-S265. | 1.8 | 12 |
| 95 | Radiation Hardened Optical Frequency Domain Reflectometry Distributed Temperature Fiber-Based Sensors. IEEE Transactions on Nuclear Science, 2015, 62, 2988-2994. | 2.0 | 15 |
| 96 | Raman Based Distributed Fiber Optic Temperature Sensors for Structural Health Monitoring in Radiation Environment. , 2015, , . | | 2 |
| 97 | Gamma and x-ray irradiation effects on different Ge and Ge/F doped optical fibers. Journal of Applied Physics, 2015, 118, . | 2.5 | 17 |
| 98 | Combined heat and power generation with a HCPV system at 2000 suns. AIP Conference Proceedings, 2015, , . | 0.4 | 6 |
| 99 | CHP efficiency of a 2000 Å— CPV system with reflective optics. AIP Conference Proceedings, 2015, , . | 0.4 | 5 |
| 100 | Î ² -ray irradiation effects on silica nanoparticles. IOP Conference Series: Materials Science and Engineering, 2015, 80, 012011. | 0.6 | 1 |
| 101 | Oxidation of Zn nanoparticles probed by online optical spectroscopy during nanosecond pulsed laser ablation of a Zn plate in H ₂ O. Applied Physics Letters, 2015, 107, . | 3.3 | 16 |
| 102 | Visible luminescence peculiar to sintered silica nanoparticles: Spectral and decay properties. Journal of Luminescence, 2015, 166, 123-129. | 3.1 | 3 |
| 103 | Silica nanoparticle core structure examined by the Eâ€²SiÎ³ center 29Si strong hyperfine interaction. Journal of Non-Crystalline Solids, 2015, 423-424, 41-44. | 3.1 | 3 |
| 104 | Luminescence from nearly isolated surface defects in silica nanoparticles. Journal of Physics Condensed Matter, 2015, 27, 365301. | 1.8 | 3 |
| 105 | Radiation Response of OFDR Distributed Sensors Based on Microstructured Pure Silica Optical Fibers. , 2015, , . | | 2 |
| 106 | Effects of Pressure, Thermal Treatment, and O₂ Loading in MCM41, MSU-H, and MSU-F Mesoporous Silica Systems Probed by Raman Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 27434-27441. | 3.1 | 5 |
| 107 | Radiation effects on optical frequency domain reflectometry fiber-based sensor. Optics Letters, 2015, 40, 4571. | 3.3 | 30 |
| 108 | Radiation Vulnerability of Fiber Bragg Gratings in Harsh Environments. Journal of Lightwave Technology, 2015, 33, 2646-2651. | 4.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Effects of Radiation and Hydrogen-Loading on the Performances of Raman-Distributed Temperature Fiber Sensors. Journal of Lightwave Technology, 2015, 33, 2432-2438. | 4.6 | 19 |
| 110 | Influence of neutron and gamma-ray irradiations on rad-hard optical fiber. Optical Materials Express, 2015, 5, 898. | 3.0 | 39 |
| 111 | Vulnerability of OFDR-based distributed sensors to high $\hat{\Gamma}^3$ -ray doses. Optics Express, 2015, 23, 18997. | 3.4 | 33 |
| 112 | Steady state $\hat{\Gamma}^3$ -ray radiation effects on Brillouin fiber sensors. , 2015, , . | | 3 |
| 113 | Coating impact and radiation effects on optical frequency domain reflectometry fiber-based temperature sensors. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 114 | Graphene p-Type Doping and Stability by Thermal Treatments in Molecular Oxygen Controlled Atmosphere. Journal of Physical Chemistry C, 2015, 119, 22718-22723. | 3.1 | 41 |
| 115 | Photoluminescence of Si nanocrystals embedded in : Excitation/emission mapping. Physica Status Solidi (B): Basic Research, 2015, 252, 600-606. | 1.5 | 19 |
| 116 | Development of a Temperature Distributed Monitoring System Based On Raman Scattering in Harsh Environment. IEEE Transactions on Nuclear Science, 2014, 61, 3315-3322. | 2.0 | 38 |
| 117 | Diffusion and outgassing of O $\langle inf \rangle 2 \langle /inf \rangle$ in amorphous SiO $\langle inf \rangle 2 \langle /inf \rangle$ silica nanoparticles with specific surface properties. , 2014, , . | | 0 |
| 118 | Metal thin-film temperature sensor embedded in heat-sink for CPV cells characterization. , 2014, , . | | 0 |
| 119 | Oxidation of silicon nanoparticles produced by nanosecond laser ablation in liquids. , 2014, , . | | 2 |
| 120 | Electrical-optical characterization of multijunction solar cells under 2000X concentration. AIP Conference Proceedings, 2014, , . | 0.4 | 7 |
| 121 | Aging of MCM41, MSU-H and MSU-F mesoporous systems investigated through the Raman spectroscopy. , 2014, , . | | 0 |
| 122 | Vibronic structures in the visible luminescence of silica nanoparticles. , 2014, , . | | 1 |
| 123 | Direct sunlight facility for testing and research in HCPV. , 2014, , . | | 6 |
| 124 | Neutron-induced defects in optical fibers. , 2014, , . | | 0 |
| 125 | Radiation hardening of FBG in harsh environments. Proceedings of SPIE, 2014, , . | 0.8 | 1 |
| 126 | Hydrogen and radiation induced effects on performances of Raman fiber-based temperature sensors. , 2014, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Micro-Raman characterization of graphene grown on SiC(000-1). , 2014, , . | | 0 |
| 128 | Radiation tolerant fiber Bragg gratings for high temperature monitoring at MGy dose levels. Optics Letters, 2014, 39, 5313. | 3.3 | 54 |
| 129 | Properties of HO ₂ radicals induced by ¹³⁷ Ir-ray irradiation in silica nanoparticles. Journal of Non-Crystalline Solids, 2014, 405, 116-123. | 3.1 | 0 |
| 130 | Visible-ultraviolet vibronic emission of silica nanoparticles. Physical Chemistry Chemical Physics, 2014, 16, 22028-22034. | 2.8 | 60 |
| 131 | Thermally induced structural modifications and O ₂ trapping in highly porous silica nanoparticles. Materials Chemistry and Physics, 2014, 148, 956-963. | 4.0 | 3 |
| 132 | Alpha and deuteron irradiation effects on silica nanoparticles. Journal of Materials Science, 2014, 49, 6475-6484. | 3.7 | 4 |
| 133 | Coupled Theoretical and Experimental Studies for the Radiation Hardening of Silica-Based Optical Fibers. IEEE Transactions on Nuclear Science, 2014, 61, 1819-1825. | 2.0 | 23 |
| 134 | Luminescent silicon nanocrystals produced by near-infrared nanosecond pulsed laser ablation in water. Applied Surface Science, 2014, 302, 62-65. | 6.1 | 37 |
| 135 | Influence of fluorine on the fiber resistance studied through the nonbridging oxygen hole center related luminescence. Journal of Applied Physics, 2013, 113, 193107. | 2.5 | 12 |
| 136 | Temperature dependence of O ₂ singlet photoluminescence in silica nanoparticles. Journal of Non-Crystalline Solids, 2013, 379, 220-223. | 3.1 | 4 |
| 137 | Combined High Dose and Temperature Radiation Effects on Multimode Silica-Based Optical Fibers. IEEE Transactions on Nuclear Science, 2013, 60, 4305-4313. | 2.0 | 71 |
| 138 | Interstitial O ₂ distribution in amorphous SiO ₂ nanoparticles determined by Raman and photoluminescence spectroscopy. Journal of Applied Physics, 2013, 114, . | 2.5 | 25 |
| 139 | Importance of Spin-Orbit Interaction for the Electron Spin Relaxation in Organic Semiconductors. Physical Review Letters, 2013, 110, 216602. | 7.8 | 62 |
| 140 | Design of Radiation-Hardened Rare-Earth Doped Amplifiers Through a Coupled Experiment/Simulation Approach. Journal of Lightwave Technology, 2013, 31, 1247-1254. | 4.6 | 32 |
| 141 | Defect-related visible luminescence of silica nanoparticles. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 658-661. | 0.8 | 11 |
| 142 | Photoluminescence and diffusion properties of O ₂ molecules in amorphous SiO ₂ nanoparticles. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 654-657. | 0.8 | 2 |
| 143 | Effects induced by UV laser radiation on the blue luminescence of silica nanoparticles. Journal of Luminescence, 2013, 138, 39-43. | 3.1 | 13 |
| 144 | Origin of the visible absorption in radiation-resistant optical fibers. Optical Materials Express, 2013, 3, 1769. | 3.0 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Coupled theoretical and experimental studies for the radiation hardening of silica-based optical fibers. , 2013, , . | | 1 |
| 146 | Phosphorous doping and drawing effects on the Raman spectroscopic properties of O = P bond in silica-based fiber and preform. Optical Materials Express, 2012, 2, 1391. | 3.0 | 7 |
| 147 | Influence of the Manufacturing Process on the Radiation Sensitivity of Fluorine-Doped Silica-Based Optical Fibers. IEEE Transactions on Nuclear Science, 2012, 59, 760-766. | 2.0 | 17 |
| 148 | Influence of $\{m Ce\}^{3+}$ Codoping on the Photoluminescence Excitation Channels of Phosphosilicate Yb/Er-Doped Glasses. IEEE Photonics Technology Letters, 2012, 24, 509-511. | 2.5 | 14 |
| 149 | Radiation hardening techniques for rare-earth-based optical fibers and amplifiers. Proceedings of SPIE, 2012, , . | 0.8 | 4 |
| 150 | Influence of Drawing Conditions on the Properties and Radiation Sensitivities of Pure-Silica-Core Optical Fibers. Journal of Lightwave Technology, 2012, 30, 1726-1732. | 4.6 | 46 |
| 151 | Influence of the manufacturing process on the radiation sensitivity of fluorine-doped silica-based optical fibers. , 2011, , . | | 0 |
| 152 | Approche coupl e pour le d veloppement de mat riaux optiques r sistants aux radiations. , 2011, , . | | 0 |
| 153 | Existence of Metastable Intermediate Lysozyme Conformation Highlights the Role of Alcohols in Altering Protein Stability. Journal of Physical Chemistry B, 2011, 115, 4078-4087. | 2.6 | 12 |
| 154 | Coupled experiment/simulation approach for the design of radiation-hardened rare-earth doped optical fibers and amplifiers. , 2011, , . | | 2 |
| 155 | Near-Infrared Emission of O_{2} Embedded in Amorphous SiO_{2} Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 12831-12835. | 3.1 | 18 |
| 156 | Unraveling exciton dynamics in amorphous silicon dioxide: Interpretation of the optical features from 8 to 11 eV. Physical Review B, 2011, 83, . | 3.2 | 53 |
| 157 | Evolution of Photo-induced defects in Ge-doped fiber/preform: influence of the drawing. Optics Express, 2011, 19, 11680. | 3.4 | 42 |
| 158 | Raman investigation of the drawing effects on Ge-doped fibers. Journal of Non-Crystalline Solids, 2011, 357, 24-27. | 3.1 | 9 |
| 159 | X-ray irradiation effects on a multistep Ge-doped silica fiber produced using different drawing conditions. Journal of Non-Crystalline Solids, 2011, 357, 1966-1970. | 3.1 | 21 |
| 160 | Influence of Ce codoping and H ₂ pre-loading on Er/Yb-doped fiber: Radiation response characterized by Confocal Micro-Luminescence. Journal of Non-Crystalline Solids, 2011, 357, 1963-1965. | 3.1 | 14 |
| 161 | Effects induced by 4.7eV UV laser irradiation on pure silica core multimode optical fibers investigated by in situ optical absorption measurements. Journal of Non-Crystalline Solids, 2011, 357, 1985-1988. | 3.1 | 3 |
| 162 | Bright Visible Luminescence in Silica Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 19476-19481. | 3.1 | 74 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Structural and luminescence properties of amorphous SiO ₂ nanoparticles. Journal of Non-Crystalline Solids, 2011, 357, 1941-1944. | 3.1 | 25 |
| 164 | Thermal oxidative process in extra-virgin olive oils studied by FTIR, rheology and time-resolved luminescence. Food Chemistry, 2011, 126, 1226-1231. | 8.2 | 47 |
| 165 | Micro-Raman investigation of X or ¹³⁷ Ir irradiated Ge doped fibers. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 1346-1349. | 1.4 | 9 |
| 166 | “School adopts an experiment”™: the photoluminescence in extra-virgin olive oil and in tonic water. Physics Education, 2011, 46, 599-603. | 0.5 | 4 |
| 167 | X-ray irradiation influence on prototype Er ³⁺ -optical fibers: confocal luminescence study. , 2010, , . | | 0 |
| 168 | Wide range excitation of visible luminescence in nanosilica. Solid State Communications, 2010, 150, 2278-2280. | 1.9 | 16 |
| 169 | Generation and excitation of point defects in silica by synchrotron radiation above the absorption edge. Physical Review B, 2010, 81, . | 3.2 | 29 |
| 170 | Spectroscopic studies of the origin of radiation-induced degradation in phosphorus-doped optical fibers and preforms. Journal of Applied Physics, 2010, 108, . | 2.5 | 20 |
| 171 | The structural disorder of a silica network probed by site selective luminescence of the nonbridging oxygen hole centre. Journal of Physics Condensed Matter, 2010, 22, 235801. | 1.8 | 14 |
| 172 | Evidence of Delocalized Excitons in Amorphous Solids. Physical Review Letters, 2010, 105, 116401. | 7.8 | 31 |
| 173 | Optical properties of phosphorus-related point defects in silica fiber preforms. Physical Review B, 2009, 80, . | 3.2 | 27 |
| 174 | Inhomogeneous width of oxygen-deficient centers induced by electron irradiation of silica. Physical Review B, 2009, 79, . | 3.2 | 7 |
| 175 | Photoluminescence spectral dispersion as a probe of structural inhomogeneity in silica. Journal of Physics Condensed Matter, 2009, 21, 115803. | 1.8 | 1 |
| 176 | Room Temperature Instability of E ² Centers Induced by ¹³⁷ Ir Irradiation in Amorphous SiO ₂ . Journal of Physical Chemistry A, 2009, 113, 1026-1032. | 2.5 | 10 |
| 177 | Luminescence properties of nonbridging oxygen hole centers at the silica surface. Journal of Non-Crystalline Solids, 2009, 355, 1020-1023. | 3.1 | 33 |
| 178 | Temperature dependence of the generation and decay of E ² centers induced in silica by 4.7eV laser radiation. Journal of Non-Crystalline Solids, 2009, 355, 1038-1041. | 3.1 | 4 |
| 179 | Paramagnetic germanium-related centers induced by energetic radiation in optical fibers and preforms. Journal of Non-Crystalline Solids, 2009, 355, 1054-1056. | 3.1 | 5 |
| 180 | In situ observation of ¹³⁷ Ir-ray induced UV optical absorption in a-SiO ₂ : Radiation darkening and room temperature recovery. Journal of Non-Crystalline Solids, 2009, 355, 1042-1045. | 3.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 181 | Influence of the drawing process on the defect generation in multistep-index germanium-doped optical fibers. Optics Letters, 2009, 34, 2282. | 3.3 | 20 |
| 182 | 10 keV X-ray irradiation effects on phosphorus-doped fibers and preforms: Electron spin resonance and optical studies. , 2009, , . | | 2 |
| 183 | Optical and photonic material hardness for energetic environments. , 2009, , . | | 1 |
| 184 | Time resolved photoluminescence associated with non-bridging oxygen hole centers in irradiated silica. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2945-2948. | 1.4 | 9 |
| 185 | Phonon coupling of non-bridging oxygen hole center with the silica environment: Temperature dependence of the 1.9eV emission spectra. Journal of Luminescence, 2008, 128, 1132-1136. | 3.1 | 22 |
| 186 | Luminescence features of nonbridging oxygen hole centres in silica probed by site-selective excitation with tunable laser. Solid State Communications, 2008, 146, 148-151. | 1.9 | 24 |
| 187 | Irradiation induced defects in fluorine doped silica. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2918-2922. | 1.4 | 21 |
| 188 | Homogeneous and inhomogeneous contributions to the luminescence linewidth of point defects in amorphous solids: Quantitative assessment based on time-resolved emission spectroscopy. Physical Review B, 2008, 78, . | 3.2 | 28 |
| 189 | Luminescence of the surface nonbridging oxygen hole center in silica: Spectral and decay properties. Physical Review B, 2008, 78, . | 3.2 | 50 |
| 190 | Radiation Effects on Silica-Based Preforms and Optical Fibersâ€™I: Experimental Study With Canonical Samples. IEEE Transactions on Nuclear Science, 2008, 55, 3473-3482. | 2.0 | 85 |
| 191 | Isoelectronic Series of Oxygen Deficient Centers in Silica: Experimental Estimation of Homogeneous and Inhomogeneous Spectral Widths. Journal of Physical Chemistry A, 2008, 112, 12104-12108. | 2.5 | 5 |
| 192 | Generation of defects in amorphous SiO ₂ assisted by two-step absorption on impurity sites. Journal of Physics Condensed Matter, 2008, 20, 275210. | 1.8 | 18 |
| 193 | Vibrational properties of the surface-nonbridging oxygen in silica nanoparticles. Physical Review B, 2008, 78, . | 3.2 | 14 |
| 194 | Radiation Effects on Silica-Based Preforms and Optical Fibers-II: Coupling <i>Ab initio</i> Simulations and Experiments. IEEE Transactions on Nuclear Science, 2008, 55, 3508-3514. | 2.0 | 32 |
| 195 | Ultraviolet optical properties of silica controlled by hydrogen trapping at Ge-related defects. Physical Review B, 2007, 75, . | 3.2 | 4 |
| 196 | Stability of Eâ€™ centers induced by 4.7eV laser radiation in SiO ₂ . Journal of Non-Crystalline Solids, 2007, 353, 522-525. | 3.1 | 7 |
| 197 | Role of diffusing molecular hydrogen on relaxation processes in Ge-doped glass. Journal of Non-Crystalline Solids, 2007, 353, 447-450. | 3.1 | 3 |
| 198 | Radiation induced generation of non-bridging oxygen hole center in silica: Intrinsic and extrinsic processes. Journal of Non-Crystalline Solids, 2007, 353, 586-589. | 3.1 | 40 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | Optical properties of Ge-oxygen deficient centers embedded in silica films. Journal of Non-Crystalline Solids, 2007, 353, 670-673. | 3.1 | 3 |
| 200 | Gallium doped SiO ₂ : Towards a new luminescent material. Journal of Non-Crystalline Solids, 2007, 353, 679-683. | 3.1 | 4 |
| 201 | Character of the Reaction between Molecular Hydrogen and a Silicon Dangling Bond in Amorphous SiO ₂ . Journal of Physical Chemistry C, 2007, 111, 6663-6667. | 3.1 | 19 |
| 202 | Spectroscopy of an optical excited Ga doped SiO ₂ surface. Radiation Physics and Chemistry, 2007, 76, 508-511. | 2.8 | 1 |
| 203 | Structural inhomogeneity of Ge-doped amorphous SiO ₂ probed by photoluminescence lifetime measurements under synchrotron radiation. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 934-937. | 0.8 | 2 |
| 204 | Optical absorption induced by UV laser radiation in Ge-doped amorphous silica probed by in situ spectroscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1143-1146. | 0.8 | 1 |
| 205 | Excitation processes of the blue luminescence in crystalline SiO ₂ probed by synchrotron radiation measurements. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 968-971. | 0.8 | 7 |
| 206 | Ultraviolet-induced paramagnetic centers and absorption changes in singlemode Ge-doped optical fibers. Optics Express, 2006, 14, 5885. | 3.4 | 9 |
| 207 | Spectroscopic parameters related to non-bridging oxygen hole centers in amorphous-SiO ₂ . Journal of Non-Crystalline Solids, 2006, 352, 203-208. | 3.1 | 31 |
| 208 | Photochemical generation of E ⁺ centres from Si-H in amorphous SiO ₂ under pulsed ultraviolet laser radiation. Journal of Physics Condensed Matter, 2006, 18, 9967-9973. | 1.8 | 16 |
| 209 | Photoluminescence time decay of surface oxygen deficient centers in un-doped and Ge-doped silica. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 600-603. | 0.8 | 1 |
| 210 | Influence of hydrogen on paramagnetic defects induced by UV laser exposure in natural silica. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 616-619. | 0.8 | 5 |
| 211 | In situ observation of the generation and annealing kinetics of E ⁺ centres induced in amorphous SiO ₂ by 4.7 eV laser irradiation. Journal of Physics Condensed Matter, 2005, 17, 3837-3842. | 1.8 | 17 |
| 212 | Hydrogen-related conversion processes of Ge-related point defects in silica triggered by ultraviolet laser irradiation. Physical Review B, 2005, 72, . | 3.2 | 14 |
| 213 | H(II) Centers in natural silica under repeated UV laser irradiations. Journal of Non-Crystalline Solids, 2005, 351, 1770-1773. | 3.1 | 3 |
| 214 | Nd:YAG laser induced E ⁺ centers probed by in situ absorption measurements. Journal of Non-Crystalline Solids, 2005, 351, 1780-1783. | 3.1 | 8 |
| 215 | Temperature dependence of luminescence decay in Sn-doped silica. Journal of Non-Crystalline Solids, 2005, 351, 1937-1940. | 3.1 | 5 |
| 216 | Vacuum ultraviolet excitation of the 1.9-eV emission band related to nonbridging oxygen hole centers in silica. Physical Review B, 2004, 69, . | 3.2 | 44 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Luminescence of $\hat{\Gamma}^3$ -radiation-induced defects in $\hat{\Gamma}^\pm$ -quartz. Journal of Physics Condensed Matter, 2004, 16, 7931-7939. | 1.8 | 23 |
| 218 | Photoluminescence in $\hat{\Gamma}^3$ -irradiated $\hat{\Gamma}^\pm$ -quartz investigated by synchrotron radiation. Radiation Measurements, 2004, 38, 507-510. | 1.4 | 9 |
| 219 | Spectral heterogeneity of oxygen-deficient centers in Ge-doped silica. Radiation Measurements, 2004, 38, 645-648. | 1.4 | 6 |
| 220 | Post UV irradiation annealing of E^\pm centers in silica controlled by H ₂ diffusion. Journal of Non-Crystalline Solids, 2004, 337, 9-14. | 3.1 | 17 |
| 221 | Bleaching of optical activity induced by UV laser exposure in natural silica. Journal of Non-Crystalline Solids, 2004, 345-346, 433-437. | 3.1 | 7 |
| 222 | Sol-Gel GeO ₂ -Doped SiO ₂ Glasses for Optical Applications. Journal of Sol-Gel Science and Technology, 2003, 26, 915-918. | 2.4 | 30 |
| 223 | Role of vitreous matrix on the optical activity of Ge-doped silica. Journal of Physics and Chemistry of Solids, 2003, 64, 2437-2443. | 4.0 | 20 |
| 224 | Growth of H(II) centers in natural silica after UV laser exposure. Journal of Non-Crystalline Solids, 2003, 322, 90-94. | 3.1 | 9 |
| 225 | Ultraviolet emission lifetime in Si and Ge oxygen deficient centers in silica. Journal of Non-Crystalline Solids, 2003, 322, 129-133. | 3.1 | 13 |
| 226 | Ge related centers induced by gamma irradiation in sol-gel Ge-doped silica. Journal of Non-Crystalline Solids, 2003, 322, 134-138. | 3.1 | 11 |
| 227 | Competitive relaxation processes of oxygen deficient centers in silica. Physical Review B, 2003, 67, . | 3.2 | 30 |
| 228 | Temperature and excitation energy dependence of decay processes of luminescence in Ge-doped silica. Physical Review B, 2003, 68, . | 3.2 | 27 |
| 229 | Stimulated nutation echo: application to the driven decoherence study. Journal of Physics Condensed Matter, 2003, 15, 4215-4228. | 1.8 | 3 |
| 230 | Optical properties of oxygen-deficiency related centers in amorphous SiO ₂ investigated by synchrotron radiation. Radiation Effects and Defects in Solids, 2002, 157, 1045-1049. | 1.2 | 1 |
| 231 | Structural relaxation of E^\pm centers in amorphous silica. Physical Review B, 2002, 66, . | 3.2 | 43 |
| 232 | UV and vacuum-UV properties of ge related centers in gamma irradiated silica. Radiation Effects and Defects in Solids, 2002, 157, 615-619. | 1.2 | 6 |
| 233 | Intrinsic defects induced by $\hat{\Gamma}^2$ -irradiation in silica. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 387-391. | 1.4 | 13 |
| 234 | Post-irradiation kinetics of UV laser induced defects in silica. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 401-405. | 1.4 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Photoluminescence at 1.9 eV in synthetic wet silica. Journal of Non-Crystalline Solids, 2001, 280, 183-187. | 3.1 | 19 |
| 236 | Absorption band at 7.6 eV induced by $\hat{\Gamma}^3$ -irradiation in silica glasses. Journal of Non-Crystalline Solids, 2001, 280, 188-192. | 3.1 | 16 |
| 237 | Optical absorption, luminescence, and ESR spectral properties of point defects in silica. , 2001, , 1-50. | | 16 |
| 238 | Instantaneous diffusion effect on spin-echo decay: Experimental investigation by spectral selective excitation. Physical Review B, 2001, 64, . | 3.2 | 76 |
| 239 | Generation of a 7.4 mT ESR doublet induced by $\hat{\Gamma}^3$ rays in amorphous-SiO ₂ . Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 465-469. | 1.4 | 6 |
| 240 | Bleaching and thermal recovery of PL emissions in natural silica. Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 495-499. | 1.4 | 2 |
| 241 | Creation of paramagnetic defects by gamma irradiation in amorphous silica. Applied Magnetic Resonance, 2000, 19, 579-585. | 1.2 | 6 |
| 242 | Defects induced by gamma irradiation in silica. AIP Conference Proceedings, 2000, , . | 0.4 | 0 |
| 243 | Contributions to the photoluminescence activity in the UV range in amorphous-SiO ₂ . AIP Conference Proceedings, 2000, , . | 0.4 | 0 |
| 244 | $\hat{\Gamma}^3$ -ray-induced bleaching in silica: Conversion from optical to paramagnetic defects. Physical Review B, 2000, 61, 1946-1951. | 3.2 | 33 |
| 245 | Experimental evidence of different contributions to the photoluminescence at 4.4 eV in synthetic silica. Journal of Physics Condensed Matter, 1999, 11, 721-731. | 1.8 | 10 |
| 246 | Transient nutations decay: The effect of field-modified dipolar interaction. Physical Review A, 1999, 59, 4087-4090. | 2.5 | 22 |
| 247 | Conformational disorder in vitreous systems probed by photoluminescence activity in SiO ₂ . Physical Review B, 1999, 60, 11475-11481. | 3.2 | 47 |
| 248 | Photoluminescence activity in natural silica excited in the vacuum-UV range. Journal of Non-Crystalline Solids, 1999, 245, 190-195. | 3.1 | 11 |
| 249 | The landscape of the excitation profiles of the $\hat{\Gamma}^1$ and $\hat{\Gamma}^2$ emission bands in silica. Journal of Non-Crystalline Solids, 1999, 245, 196-202. | 3.1 | 11 |
| 250 | Gamma ray induced 11.8 mT ESR doublet in natural silica. Journal of Non-Crystalline Solids, 1998, 232-234, 323-328. | 3.1 | 12 |
| 251 | Local dynamic properties of vitreous silica probed by photoluminescence spectroscopy in the temperature range 300-4.5 K. Journal of Non-Crystalline Solids, 1998, 232-234, 514-519. | 3.1 | 8 |
| 252 | <title>New look at non-Bloch decay of transient nutation and free induction in S=1/2 systems</title>., 1997, 3239, 206. | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Non-Bloch Transients in Solids: Free Induction Decay and Transient Nutations. Physical Review Letters, 1997, 79, 2963-2966. | 7.8 | 30 |
| 254 | Stationary and time dependent PL emission of v-SiO2 in the UV range. Journal of Non-Crystalline Solids, 1997, 216, 99-104. | 3.1 | 11 |
| 255 | Low temperature photoluminescence spectroscopy relationship between 3.1 and 4.2 eV bands in vitreous silica. Journal of Non-Crystalline Solids, 1997, 216, 105-110. | 3.1 | 18 |
| 256 | ESR and PL centers induced by gamma rays in silica. Nuclear Instruments & Methods in Physics Research B, 1996, 116, 373-377. | 1.4 | 56 |
| 257 | Experimental evidence of the composite nature of the 3.1 eV luminescence in natural silica. Nuclear Instruments & Methods in Physics Research B, 1996, 116, 360-363. | 1.4 | 26 |
| 258 | Coherent aspects of the local dipolar field in echo dynamics: A spectral narrowing effect. Physical Review B, 1996, 53, 302-306. | 3.2 | 4 |
| 259 | Spectral and kinetic properties of the 4.4-eV photoluminescence band in a-SiO2: Effects of γ irradiation. Physical Review B, 1996, 54, 6194-6199. | 3.2 | 52 |
| 260 | Photoluminescence band at 4.4 eV in oxygen-deficient silica: temperature effects. Journal of Physics Condensed Matter, 1996, 8, L545-L549. | 1.8 | 13 |
| 261 | A 1.9 eV photoluminescence induced by 4 eV photons in high-purity wet synthetic silica. Journal of Applied Physics, 1993, 74, 6993-6995. | 2.5 | 55 |
| 262 | UV-photoinduced defects in Ge-doped optical fibers. , 0, , . | | 0 |