# SebastiÃ£o W Da Silva

List of Publications by Year
in descending order



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|---|---|---|---|
| 175 papers | 2,823 citations | 186265 28 h-index | 254184 43 g-index |
| 176 all docs | 176 docs citations | 176 times ranked | 3621 citing authors |

| # | Article | IF | Citations |
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| 1 | Size controlling and tailoring the properties of Gd Zn1-O nanoparticles. Ceramics International, 2022, 48, 4324-4331. | 4.8 | 3 |
| 2 | Detection of SARS-CoV-2 virus via dynamic light scattering using antibody-gold nanoparticle bioconjugates against viral spike protein. Talanta, 2022, 243, 123355. | 5.5 | 16 |
| 3 | Tuning intrinsic defects in ZnO films by controlling the vacuum annealing temperature: an experimental and theoretical approach. Physica Scripta, 2022, 97, 075811. | 2.5 | 1 |
| 4 | Oral delivery of fish oil in oil-in-water nanoemulsion: development, colloidal stability and modulatory effect on in vivo inflammatory induction in mice. Biomedicine and Pharmacotherapy, 2021, 133, 110980. | 5.6 | 18 |
| 5 | Charge localization and hopping in a topologically engineered graphene nanoribbon. Scientific Reports, 2021, 11, 5142. | 3.3 | 5 |
| 6 | Fe content effects on structural, electrical and magnetic properties of Fe-doped ITO polycrystalline powders. Journal of Alloys and Compounds, 2021, 867, 158866. | 5.5 | 7 |
| 7 | Core-shell Au/Fe3O4 nanocomposite synthesized by thermal decomposition method: Structural, optical, and magnetic properties. Applied Surface Science, 2021, 563, 150290. | 6.1 | 10 |
| 8 | Structural, optical and magnetic properties of CoAl Fe2-O4 nanoparticles prepared by combustion reaction method. Journal of Alloys and Compounds, 2021, 887, 161398. | 5.5 | 6 |
| 9 | PEGlatyon-SPION surface functionalization with folic acid for magnetic hyperthermia applications. Materials Research Express, 2020, 7, 015078. | 1.6 | 24 |
| 10 | A comprehensive study on the effects of gamma radiation on the physical properties of a two-dimensional WS<sub>2</sub>monolayer semiconductor. Nanoscale Horizons, 2020, 5, 259-267. | 8.0 | 26 |
| 11 | Charge Transport Mechanism in Chevron-Graphene Nanoribbons. Journal of Physical Chemistry C, 2020, 124, 22392-22398. | 3.1 | 3 |
| 12 | Field-driven spin reorientation in SmMnO3 polycrystalline powders. Journal of Alloys and Compounds, 2020, 845, 156327. | 5.5 | 6 |
| 13 | Embedding CoPt magnetic nanoparticles within a phosphate glass matrix. Journal of Alloys and Compounds, 2020, 848, 156576. | 5.5 | 5 |
| 14 | Smooth gap tuning strategy for cove-type graphene nanoribbons. RSC Advances, 2020, 10, 26937-26943. | 3.6 | 10 |
| 15 | The influence of NLC composition on curcumin loading under a physicochemical perspective and in vitro evaluation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 602, 125070. | 4.7 | 29 |
| 16 | Transport of quasiparticles in coronene-based graphene nanoribbons. Journal of Materials Chemistry C, 2020, 8, 12100-12107. | 5.5 | 8 |
| 17 | Cation distribution of Zn Co1-Fe2O4 nanoparticles: A resonant X-ray diffraction study. Journal of Alloys and Compounds, 2020, 842, 155751. | 5.5 | 10 |
| 18 | Tailoring the physical and chemical properties of Sn<sub>1â^'x</sub>Co<sub>x</sub>O<sub>2</sub> nanoparticles: an experimental and theoretical approach. Physical Chemistry Chemical Physics, 2020, 22, 3702-3714. | 2.8 | 19 |

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| 19 | Nanoemulsion-based systems as a promising approach for enhancing the antitumoral activity of pequi oil (Caryocar brasilense Cambess.) in breast cancer cells. Journal of Drug Delivery Science and Technology, 2020, 58, 101819. | 3.0 | 12 |
| 20 | Lattice strain effects on the structural properties and band gap tailoring in columnarly grown Fe-doped SnO<sub>2</sub> films deposited by DC sputtering. Journal Physics D: Applied Physics, 2019, 52, 465306. | 2.8 | 5 |
| 21 | Defective graphene domains in boron nitride sheets. Journal of Molecular Modeling, 2019, 25, 230. | 1.8 | 6 |
| 22 | Stability conditions of armchair graphene nanoribbon bipolarons. Journal of Molecular Modeling, 2019, 25, 245. | 1.8 | 8 |
| 23 | Polaron properties in 2D organic molecular crystals: directional dependence of non-local electronâ€“phonon coupling. Journal of Molecular Modeling, 2019, 25, 149. | 1.8 | 2 |
| 24 | Same Charge Polaron and Bipolaron Scattering on Conducting Polymers. Journal of Physical Chemistry A, 2019, 123, 1319-1327. | 2.5 | 8 |
| 25 | Surfaceâ€enhanced Raman spectroscopy for successful probing of itraconazole within poly(lacticâ€coâ€glycolic acid) nanoparticles. Journal of Raman Spectroscopy, 2019, 50, 1085-1093. | 2.5 | 1 |
| 26 | Tuning the electronic structure properties of MoS<sub>2</sub> monolayers with carbon doping. Physical Chemistry Chemical Physics, 2019, 21, 11168-11174. | 2.8 | 10 |
| 27 | Stationary and Dynamical Properties of Polarons in Anisotropic C<sub>60</sub>-Crystals. Journal of Physical Chemistry C, 2019, 123, 13410-13418. | 3.1 | 7 |
| 28 | Fast predictions of exciton diffusion length in organic materials. Journal of Materials Chemistry C, 2019, 7, 4066-4071. | 5.5 | 13 |
| 29 | Bipolaron Dynamics in Graphene Nanoribbons. Scientific Reports, 2019, 9, 2909. | 3.3 | 14 |
| 30 | Modeling Polaron Diffusion in Oligoacene-like Crystals. Journal of Physical Chemistry C, 2019, 123, 4715-4720. | 3.1 | 9 |
| 31 | Dynamical Mechanism of Polarons and Bipolarons in Poly(p-Phenylene Vinylene). Scientific Reports, 2019, 9, 18131. | 3.3 | 3 |
| 32 | Effective Mass of Quasiparticles in Armchair Graphene Nanoribbons. Scientific Reports, 2019, 9, 17990. | 3.3 | 5 |
| 33 | In vivo toxicological evaluation of polymer brush engineered nanoceria: impact of brush charge. Nanotoxicology, 2019, 13, 305-325. | 3.0 | 3 |
| 34 | Quasiparticle description of transition metal dichalcogenide nanoribbons. Physical Review B, 2019, 99, . | 3.2 | 8 |
| 35 | Evidence of surface spin-glass behavior in NiFe2O4 nanoparticles determined using magnetic resonance technique. Journal of Magnetism and Magnetic Materials, 2019, 476, 392-397. | 2.3 | 14 |
| 36 | MÃ¶ssbauer spectroscopy control of the preparation of citric- and mandelic acid functionalized nanomagnetites. Hyperfine Interactions, 2018, 239, 1. | 0.5 | 2 |

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| 37 | Spin-Orbit Effects on the Dynamical Properties of Polarons in Graphene Nanoribbons. Scientific Reports, 2018, 8, 1914. | 3.3 | 8 |
| 38 | Charge Carrier Scattering in Polymers: A New Neutral Coupled Soliton Channel. Scientific Reports, 2018, 8, 6595. | 3.3 | 5 |
| 39 | Fabrication and characterization of glycine-loaded PEG nanoparticles for drug delivering: A comprehensive SERS study. Applied Surface Science, 2018, 450, 396-403. | 6.1 | 9 |
| 40 | Dynamic Formation of Bipolaronâ€“Exciton Complexes in Conducting Polymers. Journal of Physical Chemistry A, 2018, 122, 3866-3872. | 2.5 | 1 |
| 41 | Plasmonic-excitonic multi-hybrid glass-based nanocomposites incorporating Ag plus core-shell CdSe/CdS and alloyed CdSxSe1â^'x nanoparticles. Ceramics International, 2018, 44, 208-215. | 4.8 | 2 |
| 42 | Polyethyleneglycol nanoparticles adsorbed to glycine as a bioengineered neomaterial for application in inflammatory processes. International Journal of Advanced Engineering Research and Science, 2018, 5, 10-16. | 0.1 | 0 |
| 43 | Optical and magnetic properties of Co-doped ZnO nanoparticles and the onset of ferromagnetic order. Journal of Applied Physics, 2017, 121, . | 2.5 | 24 |
| 44 | Electronâ€“phonon coupling effects on intrachain polaron recombination in conjugated polymers. Journal of Molecular Modeling, 2017, 23, 42. | 1.8 | 2 |
| 45 | MÃ¶ssbauer and Raman spectroscopic study of oxidation and reduction of iron oxide nanoparticles promoted by various carboxylic acid layers. Journal of Radioanalytical and Nuclear Chemistry, 2017, 312, 111-119. | 1.5 | 7 |
| 46 | Polaron and bipolaron stability on paraphenylene polymers. Journal of Molecular Modeling, 2017, 23, 59. | 1.8 | 4 |
| 47 | Maghemiteâ€“gold coreâ€“shell nanostructures (Î³-Fe2O3@Au) surface-functionalized with aluminium phthalocyanine for multi-task imaging and therapy. RSC Advances, 2017, 7, 11223-11232. | 3.6 | 16 |
| 48 | Characterization of polycrystalline SnO2 films deposited by DC sputtering technique with potential for technological applications. Journal of the European Ceramic Society, 2017, 37, 3375-3380. | 5.7 | 16 |
| 49 | Bloch oscillations in organic and inorganic polymers. Journal of Chemical Physics, 2017, 146, 144903. | 3.0 | 3 |
| 50 | Effect of Co co-doping on the optical properties of ZnTe:Mn nanocrystals. Physical Chemistry Chemical Physics, 2017, 19, 1158-1166. | 2.8 | 11 |
| 51 | Bond length pattern associated with charge carriers in armchair graphene nanoribbons. Journal of Molecular Modeling, 2017, 23, 293. | 1.8 | 9 |
| 52 | Magnetic nanohydrogel obtained by miniemulsion polymerization of poly(acrylic acid) grafted onto derivatized dextran. Carbohydrate Polymers, 2017, 178, 378-385. | 10.2 | 11 |
| 53 | SERS Investigation of Cancer Cells Treated with PDT: Quantification of Cell Survival and Follow-up. Scientific Reports, 2017, 7, 7175. | 3.3 | 25 |
| 54 | Zirconiaâ€Supported Cobalt Catalysts: Activity and Selectivity in NO Reduction by CO. ChemistrySelect, 2017, 2, 11565-11573. | 1.5 | 4 |

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| 55 | Nanocapsules for the co-delivery of selol and doxorubicin to breast adenocarcinoma 4T1 cells in vitro. Artificial Cells, Nanomedicine and Biotechnology, 2017, 46, 1-11. | 2.8 | 10 |
| 56 | Fe-doping effects on the structural, vibrational, magnetic, and electronic properties of ceria nanoparticles. Journal of Applied Physics, 2017, 122, . | 2.5 | 19 |
| 57 | Gadolinium ferrite nanoparticles: Synthesis and morphological, structural and magnetic properties. Ceramics International, 2017, 43, 4042-4047. | 4.8 | 21 |
| 58 | Investigation of additional Raman modes in ZnO and Eu0.01Zn0.99O nanoparticles synthesized by the solution combustion method. Journal of Alloys and Compounds, 2017, 691, 416-421. | 5.5 | 12 |
| 59 | Effect of the thickness reduction on the structural, surface and magnetic properties of Î±-Fe2O3 thin films. Thin Solid Films, 2016, 607, 50-54. | 1.8 | 32 |
| 60 | Solubility limit of Mn2+ ions in Zn1â^'x Mn x Te nanocrystals grown within an ultraviolet-transparent glass template. Journal of Nanoparticle Research, 2016, 18, 1. | 1.9 | 8 |
| 61 | Low-Temperature Seebeck Coefficients for Polaron-Driven Thermoelectric Effect in Organic Polymers. Journal of Physical Chemistry A, 2016, 120, 4923-4927. | 2.5 | 7 |
| 62 | Impact of the Electronâ€“Phonon Interactions on the Polaron Dynamics in Graphene Nanoribbons. Journal of Physical Chemistry A, 2016, 120, 4901-4906. | 2.5 | 19 |
| 63 | Fine structure of gold nanoparticles stabilized by buthyldithiol: Species identified by MÃ¶ssbauer spectroscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 504, 260-266. | 4.7 | 9 |
| 64 | Evidence of competition in the incorporation of Co2+and Mn2+ions into the structure of ZnTe nanocrystals. RSC Advances, 2016, 6, 101226-101234. | 3.6 | 7 |
| 65 | Aluminium-phthalocyanine chloride nanoemulsions for anticancer photodynamic therapy: Development and in vitro activity against monolayers and spheroids of human mammary adenocarcinoma MCF-7 cells. Journal of Nanobiotechnology, 2015, 13, 36. | 9.1 | 70 |
| 66 | Rifampicin adsorbed onto magnetite nanoparticle: SERS study and insight on the molecular arrangement and light effect. Journal of Raman Spectroscopy, 2015, 46, 765-771. | 2.5 | 7 |
| 67 | Evolution of the doping regimes in the Al-doped SnO‹sub›2‹/sub›nanoparticles prepared by a polymer precursor method. Journal of Physics Condensed Matter, 2015, 27, 095301. | 1.8 | 44 |
| 68 | Transport of Polarons in Graphene Nanoribbons. Journal of Physical Chemistry Letters, 2015, 6, 510-514. | 4.6 | 41 |
| 69 | Structural and magnetic properties of ZnOâ€“CoFe2O4 nanocomposites. Journal of Magnetism and Magnetic Materials, 2015, 389, 27-33. | 2.3 | 30 |
| 70 | Limit of Exciton Diffusion in Highly Ordered Ï€-Conjugated Systems. Journal of Physical Chemistry C, 2015, 119, 19654-19659. | 3.1 | 10 |
| 71 | Thermal-annealing effects on the structural and magnetic properties of 10% Fe-doped SnO2 nanoparticles synthetized by a polymer precursor method. Journal of Magnetism and Magnetic Materials, 2015, 375, 74-79. | 2.3 | 9 |
| 72 | Doping effects on the structural, magnetic, and hyperfine properties of Gd-doped SnO2 nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1. | 1.9 | 10 |

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| 73 | Characterization of tetraethylene glycol passivated iron nanoparticles. Applied Surface Science, 2014, 315, 337-345. | 6.1 | 10 |
| 74 | Reactive Scattering between Excitons and Charge Carriers in Conjugated Polymers. Journal of Physical Chemistry C, 2014, 118, 23451-23458. | 3.1 | 13 |
| 75 | Shell Thickness Modulation in Ultrasmall CdSe/CdS<sub>x</sub>Se<sub>1â€“x</sub>/CdS Core/Shell Quantum Dots via 1-Thioglycerol. ACS Nano, 2014, 8, 1913-1922. | 14.6 | 53 |
| 76 | Carbon dioxide adsorption on doped boron nitride nanotubes. RSC Advances, 2014, 4, 28249-28258. | 3.6 | 34 |
| 77 | PEGylation of SPIONs by polycondensation reactions: a new strategy to improve colloidal stability in biological media. Journal of Nanoparticle Research, 2013, 15, 1. | 1.9 | 14 |
| 78 | Experimental evidences of substitutional solution of Er dopant in Er-doped SnO2 nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1. | 1.9 | 13 |
| 79 | Influence of bipolaron density on the transport properties of thermalized organic conductors. International Journal of Quantum Chemistry, 2013, 113, 2540-2545. | 2.0 | 2 |
| 80 | An extensive investigation of reactions involved in the nitrogen trifluoride dissociation. New Journal of Chemistry, 2013, 37, 3244. | 2.8 | 1 |
| 81 | Effects of temperature and electric field induced phase transitions on the dynamics of polarons and bipolarons. New Journal of Chemistry, 2013, 37, 2829. | 2.8 | 48 |
| 82 | Multiphonon Raman Scattering in Coupled Cd<sub>1â€“x</sub>Mn<sub>x</sub>S Nanoparticles: Magnetic Doping and Thermal Annealing. Journal of Physical Chemistry C, 2013, 117, 657-662. | 3.1 | 19 |
| 83 | Modified Phonon Confinement Model and Its Application to CdSe/CdS Coreâ€“Shell Magic-Sized Quantum Dots Synthesized in Aqueous Solution by a New Route. Journal of Physical Chemistry C, 2013, 117, 1904-1914. | 3.1 | 48 |
| 84 | Raman spectroscopy of very small Cd<sub>1â^'x</sub>Co<sub>x</sub>S quantum dots grown by a novel protocol: direct observation of acousticâ€optical phonon coupling. Journal of Raman Spectroscopy, 2013, 44, 1022-1032. | 2.5 | 26 |
| 85 | SERS as a valuable tool for detection and treatment followâ€up of fungal infection in mice lungs: use of Amphotericin B and its nanoencapsulation onto magnetic nanoparticles. Journal of Raman Spectroscopy, 2013, 44, 695-702. | 2.5 | 12 |
| 86 | GISAXS study on the annealing behavior of sputtered HfO2 thin films. Materials Research Society Symposia Proceedings, 2013, 1528, 1. | 0.1 | 0 |
| 87 | Temperature-dependent Raman study of thermal parameters in CdS quantum dots. Nanotechnology, 2012, 23, 125701. | 2.6 | 34 |
| 88 | Dilute magnetism in Zn1â^'xMnxTe nanocrystals grown in a glass template. Chemical Physics Letters, 2012, 541, 44-48. | 2.6 | 22 |
| 89 | Phase transition in sputtered HfO<inf>2</inf> thin films: A qualitative raman study. , 2012, , . | | 0 |
| 90 | Phase transition in sputtered HfO2 thin films: A qualitative Raman study. Applied Surface Science, 2012, 261, 727-729. | 6.1 | 14 |

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| 91 | Anti-CEA loaded maghemite nanoparticles as a theragnostic device for colorectal cancer. International Journal of Nanomedicine, 2012, 7, 5271. | 6.7 | 27 |
| 92 | Raman study of cationsâ€™ distribution in Zn x Mg1â^'x Fe2O4 nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1. | 1.9 | 78 |
| 93 | Solâ€“gel synthesis of silicaâ€“cobalt composites by employing Co3O4 colloidal dispersions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 395, 217-224. | 4.7 | 34 |
| 94 | SERRS Study of Molecular Arrangement of Amphotericin B Adsorbed onto Iron Oxide Nanoparticles Precoated with a Bilayer of Lauric Acid. Journal of Physical Chemistry C, 2011, 115, 20442-20448. | 3.1 | 21 |
| 95 | Effect of Fe2O3 concentration on the structure of the SiO2â€“Na2Oâ€“Al2O3â€“B2O3 glass system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 140-143. | 3.9 | 69 |
| 96 | H<sub>2</sub><sup>+</sup> dynamical properties in the electronic states 7jÏƒ, 8jÏƒ, 8kÏƒ, 7iÏ€, and 8jp. International Journal of Quantum Chemistry, 2011, 111, 1316-1320. | 2.0 | 2 |
| 97 | Evidences of the evolution from solid solution to surface segregation in Niâ€doped SnO<sub>2</sub> nanoparticles using Raman spectroscopy. Journal of Raman Spectroscopy, 2011, 42, 1081-1086. | 2.5 | 72 |
| 98 | Resonant Raman scattering in CdS<sub>x</sub>Se<sub>1â^'x</sub>nanocrystals: effects of phonon confinement, composition, and elastic strain. Journal of Raman Spectroscopy, 2011, 42, 1660-1669. | 2.5 | 37 |
| 99 | Confirming the lattice contraction in CdSe nanocrystals grown in a glass matrix by Raman scattering. Journal of Raman Spectroscopy, 2010, 41, 1302-1305. | 2.5 | 35 |
| 100 | ZnTe nanocrystal formation and growth control on UV-transparent substrate. Chemical Physics Letters, 2010, 500, 46-48. | 2.6 | 23 |
| 101 | Thermal rate coefficients calculation for the H<sup>+</sup> + LiH reaction. International Journal of Quantum Chemistry, 2010, 110, 2024-2028. | 2.0 | 5 |
| 102 | Effect of the Zn content in the structural and magnetic properties of ZnxMg1â^'xFe2O4 mixed ferrites monitored by Raman and MÃ¶ssbauer spectroscopies. Journal of Applied Physics, 2010, 107, . | 2.5 | 40 |
| 103 | Influence of the Mg-content on the cation distribution in cubic Mg Fe3O4 nanoparticles. Journal of Solid State Chemistry, 2009, 182, 2423-2429. | 2.9 | 109 |
| 104 | Interchain interaction effects on polaronâ€“bipolaron transition on conducting polymers. Journal of Materials Science, 2008, 43, 585-590. | 3.7 | 5 |
| 105 | Chain length effects on nonlinear excitation transitions in transâ€polyacetylene. International Journal of Quantum Chemistry, 2008, 108, 2507-2511. | 2.0 | 2 |
| 106 | Dynamics of photoexcitations with interchain coupling in conjugated polymers. International Journal of Quantum Chemistry, 2008, 108, 2442-2447. | 2.0 | 3 |
| 107 | Electric field effects on the spatial energy transport in self-assembled quantum dots. Journal Physics D: Applied Physics, 2008, 41, 105104. | 2.8 | 1 |
| 108 | Effects of high-temperature annealing on the optical phonons and nitrogen local vibrational modes in GaAs1â^'xNx epilayers. Applied Physics Letters, 2008, 93, 252105. | 3.3 | 1 |

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| 109 | Influence of the optical control in the lateral transport of carriers in InGaAsâˆ•GaAs one-side modulation-doped quantum wells. Journal of Applied Physics, 2007, 102, . | 2.5 | 2 |
| 110 | The thermal stability of maghemite-silica nanocomposites: An investigation using X-ray diffraction and Raman spectroscopy. Journal of Alloys and Compounds, 2007, 434-435, 650-654. | 5.5 | 44 |
| 111 | The influence of cobalt population on the structural properties of CoxFe3âˆ’xO4. Journal of Applied Physics, 2007, 101, 09M514. | 2.5 | 81 |
| 112 | Aging Investigation of Cobalt Ferrite Nanoparticles in Low pH Magnetic Fluid. Langmuir, 2007, 23, 9611-9617. | 3.5 | 91 |
| 113 | Study of molecular surface coating on the stability of maghemite nanoparticles. Surface Science, 2007, 601, 3921-3925. | 1.9 | 59 |
| 114 | Raman spectroscopy of cobalt ferrite nanocomposite in silica matrix prepared by solâ€“gel method. Journal of Non-Crystalline Solids, 2006, 352, 1602-1606. | 3.1 | 36 |
| 115 | Effects of impurities on polaron dynamics in conjugated polymers: Effective potentials. International Journal of Quantum Chemistry, 2006, 106, 2597-2602. | 2.0 | 3 |
| 116 | Polaron stability under collision with different defects in conjugated polymers. International Journal of Quantum Chemistry, 2006, 106, 2603-2608. | 2.0 | 5 |
| 117 | Fitting potential energy surface of reactive systems via genetic algorithm. International Journal of Quantum Chemistry, 2006, 106, 2650-2657. | 2.0 | 14 |
| 118 | Thionin adsorption on silicon (1â€‰0â€‰0): Structural analysis. Applied Surface Science, 2006, 253, 1978-1982. | 6.1 | 4 |
| 119 | Investigation of surface passivation process on magnetic nanoparticles by Raman spectroscopy. Surface Science, 2006, 600, 3642-3645. | 1.9 | 21 |
| 120 | Optical signatures of asymmetric fractal diffusion of electron-hole plasma in semiconductor quantum wells. Applied Physics Letters, 2006, 89, 142103. | 3.3 | 3 |
| 121 | Investigation of the interaction between magnetic nanoparticles surface-coated with carboxymethyldextran and blood cells using Raman spectroscopy. Journal of Magnetism and Magnetic Materials, 2005, 289, 452-454. | 2.3 | 6 |
| 122 | Optical and transport properties of InAs/GaAs quantum dots emitting at 1.3Î¼m. Microelectronics Journal, 2005, 36, 194-196. | 2.0 | 1 |
| 123 | Surface passivation and characterization of cobaltâ€“ferrite nanoparticles. Surface Science, 2005, 575, 12-16. | 1.9 | 13 |
| 124 | Raman study of nanoparticle-template interaction in a CoFe2O4/SiO2-based nanocomposite prepared by solâ€“gel method. Journal of Magnetism and Magnetic Materials, 2005, 289, 139-141. | 2.3 | 39 |
| 125 | Structural phases of coupled polyacetylene chains with impurities. International Journal of Quantum Chemistry, 2005, 103, 597-603. | 2.0 | 1 |
| 126 | Quantum-controlled NOT gate made of coupled polyacetylene chains. International Journal of Quantum Chemistry, 2005, 103, 543-549. | 2.0 | 1 |

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| 127 | Dynamic interaction between polarons and torsional vibrations in conjugated polymers. International Journal of Quantum Chemistry, 2005, 103, 604-609. | 2.0 | 4 |
| 128 | In vitro investigation of mice blood doped with magnetite-coated nanoparticles. , 2005, , . | | 0 |
| 129 | Structural stability study of cobalt ferrite-based nanoparticle using micro Raman spectroscopy. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2357-2358. | 2.3 | 52 |
| 130 | Carrier diffusion in InGaAs/GaAs quantum wells grown on vicinal substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 23, 466-470. | 2.7 | 3 |
| 131 | Indications of amplified spontaneous emission in the energy transfer between InAs self-assembled quantum dots. Physical Review B, 2004, 70, . | 3.2 | 14 |
| 132 | Stability of citrate-coated magnetite and cobalt-ferrite nanoparticles under laser irradiation: A raman spectroscopy investigation. IEEE Transactions on Magnetics, 2003, 39, 2645-2647. | 2.1 | 70 |
| 133 | Coupled rate equation modeling of self-assembled quantum dot photoluminescence. Microelectronics Journal, 2003, 34, 705-707. | 2.0 | 1 |
| 134 | CW photoluminescence determination of the capture cross-section of self-assembled InAs quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 107-108. | 2.7 | 2 |
| 135 | Asymmetric carrier transport in InGaAs quantum wells and wires grown on tilted InP substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 169-171. | 2.7 | 2 |
| 136 | Observation of the spectral dependence of the spatial photocarrier redistribution in InAs/GaAs quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 120-121. | 2.7 | 0 |
| 137 | Photoexcited carrier diffusion in self-assembled InAs/GaAs quantum dots with different dot densities. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 122-123. | 2.7 | 2 |
| 138 | Dynamics of polarons and bipolarons with interchain coupling in conjugated polymers. International Journal of Quantum Chemistry, 2003, 95, 153-158. | 2.0 | 10 |
| 139 | Polyacetylene as a qubit system. International Journal of Quantum Chemistry, 2003, 95, 224-229. | 2.0 | 1 |
| 140 | Time-resolved measurements and spatial photoluminescence distribution in InAs/AlGaAs quantum dots. Microelectronics Journal, 2003, 34, 747-749. | 2.0 | 4 |
| 141 | Carrier kinetics in quantum dots through continuous wave photoluminescence modeling: A systematic study on a sample with surface dot density gradient. Journal of Applied Physics, 2003, 94, 1787-1794. | 2.5 | 15 |
| 142 | Experimental evidence of asymmetric carrier transport in InGaAs quantum wells and wires grown on tilted InP substrates. Applied Physics Letters, 2002, 81, 2460-2462. | 3.3 | 7 |
| 143 | Investigation of optical and structural properties of InxGa1âˆ'xAs/GaAs quantum wells grown on vicinal GaAs(001) substrates. Physica B: Condensed Matter, 2002, 311, 285-291. | 2.7 | 2 |
| 144 | Raman spectroscopy of magnetoliposomes. Journal of Magnetism and Magnetic Materials, 2002, 252, 415-417. | 2.3 | 9 |

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| 145 | Raman spectroscopy in magnetic fluids. New Biotechnology, 2001, 17, 41-49. | 2.7 | 28 |
| 146 | Step-Bunching Evidence in Strained InxGa1?xAs/GaAs Quantum Wells Grown on Vicinal (001) Substrates. Physica Status Solidi A, 2001, 187, 253-256. | 1.7 | 1 |
| 147 | Excitation Transfer through Quantum Dots Measured by Microluminescence: Dependence on the Quantum Dot Density. Physica Status Solidi A, 2001, 187, 45-48. | 1.7 | 5 |
| 148 | Study of the interactions between the surface chemisorbed layer and the surrounding media in magnetite-coated nanoparticles using Raman spectroscopy. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1890-1892. | 2.3 | 3 |
| 149 | Asymmetric carrier diffusion and phonon-wind-driven transport in an InGaAs-InP quantum well. Springer Proceedings in Physics, 2001, , 815-816. | 0.2 | 0 |
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| 153 | Raman Investigation of Uncoated and Coated Magnetic Fluids. Journal of Physical Chemistry A, 2000, 104, 2894-2896. | 2.5 | 24 |
| 154 | Ambipolar carrier diffusion in In0.53Ga0.47As single quantum wells. Brazilian Journal of Physics, 1999, 29, 690-693. | 1.4 | 0 |
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| 156 | Defect-limited carrier diffusion in In0.53Ga0.47As-InP single quantum well. Physica B: Condensed Matter, 1999, 273-274, 963-966. | 2.7 | 7 |
| 157 | Raman study of ionic water-based copper and zinc ferrite magnetic fluids. Journal of Magnetism and Magnetic Materials, 1999, 201, 105-109. | 2.3 | 30 |
| 158 | Investigating charge transport in molecular switches with neural networks. Journal of Computational Chemistry, 1999, 20, 1060-1066. | 3.3 | 5 |
| 159 | Fano-like electronâ€“phonon interference in Î´-doping GaAs superlattices. Superlattices and Microstructures, 1998, 23, 1033-1035. | 3.1 | 0 |
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| 162 | Photoluminescence study of spin - orbit-split bound electron states in self-assembled InAs and quantum dots. Journal of Physics Condensed Matter, 1997, 9, L13-L17. | 1.8 | 7 |

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