

Sebastião W Da Silva

List of Publications by Year in descending order

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175
papers

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186265

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176
docs citations

176
times ranked

3621
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#	ARTICLE	IF	CITATIONS
1	Influence of the Mg-content on the cation distribution in cubic Mg Fe ₃ O ₄ nanoparticles. Journal of Solid State Chemistry, 2009, 182, 2423-2429.	2.9	109
2	Aging Investigation of Cobalt Ferrite Nanoparticles in Low pH Magnetic Fluid. Langmuir, 2007, 23, 9611-9617.	3.5	91
3	Comparative Raman studies of cubic and hexagonal GaN epitaxial layers. Journal of Applied Physics, 1996, 79, 4137.	2.5	85
4	The influence of cobalt population on the structural properties of Co _x Fe _{3-x} O ₄ . Journal of Applied Physics, 2007, 101, 09M514.	2.5	81
5	Raman study of cations TM distribution in Zn x Mg _{1-x} Fe ₂ O ₄ nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	78
6	Evidences of the evolution from solid solution to surface segregation in Ni-doped SnO ₂ nanoparticles using Raman spectroscopy. Journal of Raman Spectroscopy, 2011, 42, 1081-1086.	2.5	72
7	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
8	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
9	Effect of Fe ₂ O ₃ concentration on the structure of the SiO ₂ -Na ₂ O-Al ₂ O ₃ -B ₂ O ₃ glass system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 140-143.	3.9	69
10	Study of molecular surface coating on the stability of maghemite nanoparticles. Surface Science, 2007, 601, 3921-3925.	1.9	59
11	Shell Thickness Modulation in Ultrasmall CdSe/CdS _x Se _{1-x} /CdS Core/Shell Quantum Dots via 1-Thioglycerol. ACS Nano, 2014, 8, 1913-1922.	14.6	53
12	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
13	Raman study of interface modes subjected to strain in InAs/GaAs self-assembled quantum dots. Physical Review B, 1998, 58, R1770-R1773.	3.2	50
14	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
15	Modified Phonon Confinement Model and Its Application to CdSe/CdS Core-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
16	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
17	Evolution of the doping regimes in the Al-doped SnO ₂ nanoparticles prepared by a polymer precursor method. Journal of Physics Condensed Matter, 2015, 27, 095301.	1.8	44
18	Transport of Polarons in Graphene Nanoribbons. Journal of Physical Chemistry Letters, 2015, 6, 510-514.	4.6	41

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19	Effect of the Zn content in the structural and magnetic properties of $Zn_xMg_{1-x}Fe_2O_4$ mixed ferrites monitored by Raman and Mössbauer spectroscopies. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	40
20	Raman study of nanoparticle-template interaction in a $CoFe_2O_4/SiO_2$ -based nanocomposite prepared by sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 289, 139-141.	2.3	39
21	Resonant Raman scattering in CdS_xSe_{1-x} nanocrystals: effects of phonon confinement, composition, and elastic strain. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1660-1669.	2.5	37
22	Raman spectroscopy of cobalt ferrite nanocomposite in silica matrix prepared by sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1602-1606.	3.1	36
23	Confirming the lattice contraction in CdSe nanocrystals grown in a glass matrix by Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1302-1305.	2.5	35
24	Temperature-dependent Raman study of thermal parameters in CdS quantum dots. <i>Nanotechnology</i> , 2012, 23, 125701.	2.6	34
25	Sol-gel synthesis of silica-cobalt composites by employing Co_3O_4 colloidal dispersions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 395, 217-224.	4.7	34
26	Carbon dioxide adsorption on doped boron nitride nanotubes. <i>RSC Advances</i> , 2014, 4, 28249-28258.	3.6	34
27	Effect of the thickness reduction on the structural, surface and magnetic properties of γ - Fe_2O_3 thin films. <i>Thin Solid Films</i> , 2016, 607, 50-54.	1.8	32
28	Raman study of ionic water-based copper and zinc ferrite magnetic fluids. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 201, 105-109.	2.3	30
29	Structural and magnetic properties of $ZnO-CoFe_2O_4$ nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 389, 27-33.	2.3	30
30	The influence of NLC composition on curcumin loading under a physicochemical perspective and in vitro evaluation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125070.	4.7	29
31	Raman spectroscopy in magnetic fluids. <i>New Biotechnology</i> , 2001, 17, 41-49.	2.7	28
32	Anti-CEA loaded maghemite nanoparticles as a theragnostic device for colorectal cancer. <i>International Journal of Nanomedicine</i> , 2012, 7, 5271.	6.7	27
33	Raman spectroscopy of very small Cd_xCo_xS quantum dots grown by a novel protocol: direct observation of acoustic-optical phonon coupling. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1022-1032.	2.5	26
34	A comprehensive study on the effects of gamma radiation on the physical properties of a two-dimensional WS_2 monolayer semiconductor. <i>Nanoscale Horizons</i> , 2020, 5, 259-267.	8.0	26
35	SERS Investigation of Cancer Cells Treated with PDT: Quantification of Cell Survival and Follow-up. <i>Scientific Reports</i> , 2017, 7, 7175.	3.3	25
36	Crystallization process of amorphous GaSb films studied by Raman spectroscopy. <i>Journal of Applied Physics</i> , 1995, 77, 4044-4048.	2.5	24

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37	Raman Investigation of Uncoated and Coated Magnetic Fluids. Journal of Physical Chemistry A, 2000, 104, 2894-2896.	2.5	24
38	Optical and magnetic properties of Co-doped ZnO nanoparticles and the onset of ferromagnetic order. Journal of Applied Physics, 2017, 121, .	2.5	24
39	PEGlatyon-SPION surface functionalization with folic acid for magnetic hyperthermia applications. Materials Research Express, 2020, 7, 015078.	1.6	24
40	ZnTe nanocrystal formation and growth control on UV-transparent substrate. Chemical Physics Letters, 2010, 500, 46-48.	2.6	23
41	Dilute magnetism in Zn _{1-x} Mn _x Te nanocrystals grown in a glass template. Chemical Physics Letters, 2012, 541, 44-48.	2.6	22
42	Investigation of surface passivation process on magnetic nanoparticles by Raman spectroscopy. Surface Science, 2006, 600, 3642-3645.	1.9	21
43	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
44	Gadolinium ferrite nanoparticles: Synthesis and morphological, structural and magnetic properties. Ceramics International, 2017, 43, 4042-4047.	4.8	21
45	Spectroscopy of the optical vibrational modes in GaAs/Al _x Ga _{1-x} As heterostructures with monolayer-wide Al _x Ga _{1-x} As barriers. Physical Review B, 1995, 52, 2610-2618.	3.2	19
46	Multiphonon Raman Scattering in Coupled Cd _x Mn _x S Nanoparticles: Magnetic Doping and Thermal Annealing. Journal of Physical Chemistry C, 2013, 117, 657-662.	3.1	19
47	Impact of the Electron-Phonon Interactions on the Polaron Dynamics in Graphene Nanoribbons. Journal of Physical Chemistry A, 2016, 120, 4901-4906.	2.5	19
48	Fe-doping effects on the structural, vibrational, magnetic, and electronic properties of ceria nanoparticles. Journal of Applied Physics, 2017, 122, .	2.5	19
49	Tailoring the physical and chemical properties of Sn _x Co _x O ₂ nanoparticles: an experimental and theoretical approach. Physical Chemistry Chemical Physics, 2020, 22, 3702-3714.	2.8	19
50	Characterization of GaAs wire crystals grown on porous silicon by Raman scattering. Journal of Applied Physics, 1997, 82, 6247-6250.	2.5	18
51	Spatial and temperature dependence of carrier recombination in an InGaAs/InP heterostructure. Journal of Applied Physics, 1999, 85, 2866-2869.	2.5	18
52	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
53	Maghemite-“gold core”-shell nanostructures (γ-Fe ₂ O ₃ @Au) surface-functionalized with aluminium phthalocyanine for multi-task imaging and therapy. RSC Advances, 2017, 7, 11223-11232.	3.6	16
54	Characterization of polycrystalline SnO ₂ films deposited by DC sputtering technique with potential for technological applications. Journal of the European Ceramic Society, 2017, 37, 3375-3380.	5.7	16

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55	Detection of SARS-CoV-2 virus via dynamic light scattering using antibody-gold nanoparticle bioconjugates against viral spike protein. <i>Talanta</i> , 2022, 243, 123355.	5.5	16
56	Surface phonon observed in GaAs wire crystals grown on porous Si. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 9687-9690.	1.8	15
57	Carrier kinetics in quantum dots through continuous wave photoluminescence modeling: A systematic study on a sample with surface dot density gradient. <i>Journal of Applied Physics</i> , 2003, 94, 1787-1794.	2.5	15
58	Indications of amplified spontaneous emission in the energy transfer between InAs self-assembled quantum dots. <i>Physical Review B</i> , 2004, 70, .	3.2	14
59	Fitting potential energy surface of reactive systems via genetic algorithm. <i>International Journal of Quantum Chemistry</i> , 2006, 106, 2650-2657.	2.0	14
60	Phase transition in sputtered HfO ₂ thin films: A qualitative Raman study. <i>Applied Surface Science</i> , 2012, 261, 727-729.	6.1	14
61	PEGylation of SPIONs by polycondensation reactions: a new strategy to improve colloidal stability in biological media. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	14
62	Bipolaron Dynamics in Graphene Nanoribbons. <i>Scientific Reports</i> , 2019, 9, 2909.	3.3	14
63	Evidence of surface spin-glass behavior in NiFe ₂ O ₄ nanoparticles determined using magnetic resonance technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 476, 392-397.	2.3	14
64	Surface passivation and characterization of cobalt ferrite nanoparticles. <i>Surface Science</i> , 2005, 575, 12-16.	1.9	13
65	Experimental evidences of substitutional solution of Er dopant in Er-doped SnO ₂ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	13
66	Reactive Scattering between Excitons and Charge Carriers in Conjugated Polymers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23451-23458.	3.1	13
67	Fast predictions of exciton diffusion length in organic materials. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4066-4071.	5.5	13
68	Raman study of interface roughness in (GaAs) _n (AlAs) _n superlattices grown on tilted surfaces: Evidence of corrugation of the (113) interface. <i>Physical Review B</i> , 1996, 53, 1927-1932.	3.2	12
69	Symmetric and asymmetric fractal diffusion of electron-hole plasmas in semiconductor quantum wells. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 268, 430-435.	2.1	12
70	Phonon-wind-based transport in InGaAs-InP quantum well under intense optical excitation. <i>Physical Review B</i> , 2000, 62, 6924-6927.	3.2	12
71	SERS as a valuable tool for detection and treatment follow-up of fungal infection in mice lungs: use of Amphotericin B and its nanoencapsulation onto magnetic nanoparticles. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 695-702.	2.5	12
72	Investigation of additional Raman modes in ZnO and Eu _{0.01} Zn _{0.99} O nanoparticles synthesized by the solution combustion method. <i>Journal of Alloys and Compounds</i> , 2017, 691, 416-421.	5.5	12

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73	Nanoemulsion-based systems as a promising approach for enhancing the antitumoral activity of pequi oil (<i>Caryocar brasiliense</i> Cambess.) in breast cancer cells. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101819.	3.0	12
74	Effect of Co co-doping on the optical properties of ZnTe:Mn nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1158-1166.	2.8	11
75	Magnetic nanohydrogel obtained by miniemulsion polymerization of poly(acrylic acid) grafted onto derivatized dextran. <i>Carbohydrate Polymers</i> , 2017, 178, 378-385.	10.2	11
76	Raman scattering of the optical vibrational modes in (GaAs) _n (AlAs) _n superlattices grown on (311)A and (311)B surfaces. <i>Physical Review B</i> , 1995, 51, 5473-5476.	3.2	10
77	Dynamics of polarons and bipolarons with interchain coupling in conjugated polymers. <i>International Journal of Quantum Chemistry</i> , 2003, 95, 153-158.	2.0	10
78	Doping effects on the structural, magnetic, and hyperfine properties of Gd-doped SnO ₂ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	10
79	Characterization of tetraethylene glycol passivated iron nanoparticles. <i>Applied Surface Science</i> , 2014, 315, 337-345.	6.1	10
80	Limit of Exciton Diffusion in Highly Ordered π -Conjugated Systems. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19654-19659.	3.1	10
81	Nanocapsules for the co-delivery of selol and doxorubicin to breast adenocarcinoma 4T1 cells in vitro. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 46, 1-11.	2.8	10
82	Tuning the electronic structure properties of MoS ₂ monolayers with carbon doping. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11168-11174.	2.8	10
83	Smooth gap tuning strategy for cove-type graphene nanoribbons. <i>RSC Advances</i> , 2020, 10, 26937-26943.	3.6	10
84	Cation distribution of Zn Co _{1-x} Fe _{2x} O ₄ nanoparticles: A resonant X-ray diffraction study. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155751.	5.5	10
85	Core-shell Au/Fe ₃ O ₄ nanocomposite synthesized by thermal decomposition method: Structural, optical, and magnetic properties. <i>Applied Surface Science</i> , 2021, 563, 150290.	6.1	10
86	Raman spectroscopy of magnetoliposomes. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 252, 415-417.	2.3	9
87	Thermal-annealing effects on the structural and magnetic properties of 10% Fe-doped SnO ₂ nanoparticles synthesized by a polymer precursor method. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 375, 74-79.	2.3	9
88	Fine structure of gold nanoparticles stabilized by buthlyldithiol: Species identified by Mössbauer spectroscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 260-266.	4.7	9
89	Bond length pattern associated with charge carriers in armchair graphene nanoribbons. <i>Journal of Molecular Modeling</i> , 2017, 23, 293.	1.8	9
90	Fabrication and characterization of glycine-loaded PEG nanoparticles for drug delivering: A comprehensive SERS study. <i>Applied Surface Science</i> , 2018, 450, 396-403.	6.1	9

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91	Modeling Polaron Diffusion in Oligoacene-like Crystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4715-4720.	3.1	9
92	Influence of atomic-scale roughness on Raman selection rules in the ultrathin-layer (GaAs) _n 1(AIAs) _n 2superlattices. <i>Physical Review B</i> , 1995, 51, 9891-9894.	3.2	8
93	Raman study of Fano-like electron-phonon coupling in $\hat{\Gamma}$ -doping GaAs superlattices. <i>Physical Review B</i> , 1996, 54, 13927-13931.	3.2	8
94	Solubility limit of Mn ²⁺ ions in Zn _{1-x} Mn _x Te nanocrystals grown within an ultraviolet-transparent glass template. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	8
95	Spin-Orbit Effects on the Dynamical Properties of Polarons in Graphene Nanoribbons. <i>Scientific Reports</i> , 2018, 8, 1914.	3.3	8
96	Stability conditions of armchair graphene nanoribbon bipolarons. <i>Journal of Molecular Modeling</i> , 2019, 25, 245.	1.8	8
97	Same Charge Polaron and Bipolaron Scattering on Conducting Polymers. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1319-1327.	2.5	8
98	Quasiparticle description of transition metal dichalcogenide nanoribbons. <i>Physical Review B</i> , 2019, 99, .	3.2	8
99	Transport of quasiparticles in coronene-based graphene nanoribbons. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12100-12107.	5.5	8
100	Optical phonon spectra of GaSb/AlSb superlattices: Influence of strain and interface roughnesses. <i>Journal of Applied Physics</i> , 1996, 80, 597-599.	2.5	7
101	Photoluminescence study of spin - orbit-split bound electron states in self-assembled InAs and quantum dots. <i>Journal of Physics Condensed Matter</i> , 1997, 9, L13-L17.	1.8	7
102	Defect-limited carrier diffusion in In _{0.53} Ga _{0.47} As-InP single quantum well. <i>Physica B: Condensed Matter</i> , 1999, 273-274, 963-966.	2.7	7
103	Experimental evidence of asymmetric carrier transport in InGaAs quantum wells and wires grown on tilted InP substrates. <i>Applied Physics Letters</i> , 2002, 81, 2460-2462.	3.3	7
104	Rifampicin adsorbed onto magnetite nanoparticle: SERS study and insight on the molecular arrangement and light effect. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 765-771.	2.5	7
105	Low-Temperature Seebeck Coefficients for Polaron-Driven Thermoelectric Effect in Organic Polymers. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4923-4927.	2.5	7
106	Evidence of competition in the incorporation of Co ²⁺ and Mn ²⁺ ions into the structure of ZnTe nanocrystals. <i>RSC Advances</i> , 2016, 6, 101226-101234.	3.6	7
107	Mössbauer and Raman spectroscopic study of oxidation and reduction of iron oxide nanoparticles promoted by various carboxylic acid layers. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 111-119.	1.5	7
108	Stationary and Dynamical Properties of Polarons in Anisotropic C ₆₀ -Crystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13410-13418.	3.1	7

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109	Fe content effects on structural, electrical and magnetic properties of Fe-doped ITO polycrystalline powders. <i>Journal of Alloys and Compounds</i> , 2021, 867, 158866.	5.5	7
110	Investigation of the interaction between magnetic nanoparticles surface-coated with carboxymethyl dextran and blood cells using Raman spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 289, 452-454.	2.3	6
111	Defective graphene domains in boron nitride sheets. <i>Journal of Molecular Modeling</i> , 2019, 25, 230.	1.8	6
112	Field-driven spin reorientation in SmMnO ₃ polycrystalline powders. <i>Journal of Alloys and Compounds</i> , 2020, 845, 156327.	5.5	6
113	Structural, optical and magnetic properties of CoAl Fe ₂ O ₄ nanoparticles prepared by combustion reaction method. <i>Journal of Alloys and Compounds</i> , 2021, 887, 161398.	5.5	6
114	Investigating charge transport in molecular switches with neural networks. <i>Journal of Computational Chemistry</i> , 1999, 20, 1060-1066.	3.3	5
115	Raman spectroscopy in oleoylsarcosine-coated magnetic fluids: a surface grafting investigation. <i>IEEE Transactions on Magnetics</i> , 2000, 36, 3712-3714.	2.1	5
116	Excitation Transfer through Quantum Dots Measured by Microluminescence: Dependence on the Quantum Dot Density. <i>Physica Status Solidi A</i> , 2001, 187, 45-48.	1.7	5
117	Polaron stability under collision with different defects in conjugated polymers. <i>International Journal of Quantum Chemistry</i> , 2006, 106, 2603-2608.	2.0	5
118	Interchain interaction effects on polaronâ€“bipolaron transition on conducting polymers. <i>Journal of Materials Science</i> , 2008, 43, 585-590.	3.7	5
119	Thermal rate coefficients calculation for the H ⁺ + LiH reaction. <i>International Journal of Quantum Chemistry</i> , 2010, 110, 2024-2028.	2.0	5
120	Charge Carrier Scattering in Polymers: A New Neutral Coupled Soliton Channel. <i>Scientific Reports</i> , 2018, 8, 6595.	3.3	5
121	Lattice strain effects on the structural properties and band gap tailoring in columnar grown Fe-doped SnO ₂ films deposited by DC sputtering. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 465306.	2.8	5
122	Effective Mass of Quasiparticles in Armchair Graphene Nanoribbons. <i>Scientific Reports</i> , 2019, 9, 17990.	3.3	5
123	Embedding CoPt magnetic nanoparticles within a phosphate glass matrix. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156576.	5.5	5
124	Charge localization and hopping in a topologically engineered graphene nanoribbon. <i>Scientific Reports</i> , 2021, 11, 5142.	3.3	5
125	Time-resolved measurements and spatial photoluminescence distribution in InAs/AlGaAs quantum dots. <i>Microelectronics Journal</i> , 2003, 34, 747-749.	2.0	4
126	Dynamic interaction between polarons and torsional vibrations in conjugated polymers. <i>International Journal of Quantum Chemistry</i> , 2005, 103, 604-609.	2.0	4

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127	Thionin adsorption on silicon (100): Structural analysis. <i>Applied Surface Science</i> , 2006, 253, 1978-1982.6.1		4
128	Polaron and bipolaron stability on paraphenylene polymers. <i>Journal of Molecular Modeling</i> , 2017, 23, 59.	1.8	4
129	Zirconia-Supported Cobalt Catalysts: Activity and Selectivity in NO Reduction by CO. <i>ChemistrySelect</i> , 2017, 2, 11565-11573.	1.5	4
130	Study of the interactions between the surface chemisorbed layer and the surrounding media in magnetite-coated nanoparticles using Raman spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 1890-1892.	2.3	3
131	Carrier diffusion in InGaAs/GaAs quantum wells grown on vicinal substrates. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 23, 466-470.	2.7	3
132	Effects of impurities on polaron dynamics in conjugated polymers: Effective potentials. <i>International Journal of Quantum Chemistry</i> , 2006, 106, 2597-2602.	2.0	3
133	Optical signatures of asymmetric fractal diffusion of electron-hole plasma in semiconductor quantum wells. <i>Applied Physics Letters</i> , 2006, 89, 142103.	3.3	3
134	Dynamics of photoexcitations with interchain coupling in conjugated polymers. <i>International Journal of Quantum Chemistry</i> , 2008, 108, 2442-2447.	2.0	3
135	Bloch oscillations in organic and inorganic polymers. <i>Journal of Chemical Physics</i> , 2017, 146, 144903.	3.0	3
136	Dynamical Mechanism of Polarons and Bipolarons in Poly(p-Phenylene Vinylene). <i>Scientific Reports</i> , 2019, 9, 18131.	3.3	3
137	In vivo toxicological evaluation of polymer brush engineered nanocerria: impact of brush charge. <i>Nanotoxicology</i> , 2019, 13, 305-325.	3.0	3
138	Charge Transport Mechanism in Chevron-Graphene Nanoribbons. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22392-22398.	3.1	3
139	Size controlling and tailoring the properties of Gd Zn1-O nanoparticles. <i>Ceramics International</i> , 2022, 48, 4324-4331.	4.8	3
140	Photoluminescence of Excitons in Differently Oriented Self-Assembled InAs Quantum Dots. <i>Physica Status Solidi A</i> , 1997, 164, 455-457.	1.7	2
141	Investigation of optical and structural properties of In _x Ga _{1-x} As/GaAs quantum wells grown on vicinal GaAs(001) substrates. <i>Physica B: Condensed Matter</i> , 2002, 311, 285-291.	2.7	2
142	CW photoluminescence determination of the capture cross-section of self-assembled InAs quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 17, 107-108.	2.7	2
143	Asymmetric carrier transport in InGaAs quantum wells and wires grown on tilted InP substrates. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 17, 169-171.	2.7	2
144	Photoexcited carrier diffusion in self-assembled InAs/GaAs quantum dots with different dot densities. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 17, 122-123.	2.7	2

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145	Influence of the optical control in the lateral transport of carriers in InGaAs ^x -GaAs one-side modulation-doped quantum wells. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	2
146	Chain length effects on nonlinear excitation transitions in trans ϵ -polyacetylene. <i>International Journal of Quantum Chemistry</i> , 2008, 108, 2507-2511.	2.0	2
147	$\langle H \rangle$, $\langle H^2 \rangle$, $\langle H^3 \rangle$ dynamical properties in the electronic states $\langle j \rangle$, $\langle j^2 \rangle$, $\langle j^3 \rangle$, $\langle k \rangle$, $\langle k^2 \rangle$, $\langle k^3 \rangle$, and $\langle j \rangle$. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 1316-1320.	2.0	2
148	Influence of bipolaron density on the transport properties of thermalized organic conductors. <i>International Journal of Quantum Chemistry</i> , 2013, 113, 2540-2545.	2.0	2
149	Electron ϵ -phonon coupling effects on intrachain polaron recombination in conjugated polymers. <i>Journal of Molecular Modeling</i> , 2017, 23, 42.	1.8	2
150	Mössbauer spectroscopy control of the preparation of citric- and mandelic acid functionalized nanomagnetites. <i>Hyperfine Interactions</i> , 2018, 239, 1.	0.5	2
151	Plasmonic-excitonic multi-hybrid glass-based nanocomposites incorporating Ag plus core-shell CdSe/CdS and alloyed CdSxSe1-x nanoparticles. <i>Ceramics International</i> , 2018, 44, 208-215.	4.8	2
152	Polaron properties in 2D organic molecular crystals: directional dependence of non-local electron ϵ -phonon coupling. <i>Journal of Molecular Modeling</i> , 2019, 25, 149.	1.8	2
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