

Andressa Novatski

List of Publications by Year in descending order

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60
papers

887
citations

516710

16
h-index

526287

27
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all docs

60
docs citations

60
times ranked

787
citing authors

#	ARTICLE	IF	CITATIONS
1	Relations among nonbridging oxygen, optical properties, optical basicity, and color center formation in CaO–MgO aluminosilicate glasses. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	68
2	Role of ZnO on TeO ₂ .Li ₂ O.ZnO glasses for optical and nuclear radiation shielding applications utilizing MCNP5 simulations and WINXCOM program. <i>Journal of Non-Crystalline Solids</i> , 2020, 544, 120162.	3.1	68
3	Optical properties and nuclear radiation shielding capacity of TeO ₂ -Li ₂ O-ZnO glasses. <i>Optical Materials</i> , 2020, 106, 109988.	3.6	57
4	Characterization of thermo-optical and mechanical properties of calcium aluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3613-3617.	3.1	49
5	Tunable light emission and similarities with garnet structure of Ce-doped LSCAS glass for white-light devices. <i>Journal of Alloys and Compounds</i> , 2012, 510, 54-59.	5.5	47
6	A step forward toward smart white lighting: Combination of glass phosphor and light emitting diodes. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	46
7	Long Fluorescence Lifetime of Ti^{3+} in Low Silica Calcium Aluminosilicate Glass. <i>Physical Review Letters</i> , 2008, 100, 027402.	3.6	36
8	The thermoelastic bending and thermal diffusion processes influence on photoacoustic signal generation using open photoacoustic cell technique. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	34
9	Long-lasting anti-platelet activity of cilostazol from poly(ϵ -caprolactone)-poly(ethylene glycol) blend nanocapsules. <i>Materials Science and Engineering C</i> , 2019, 94, 694-702.	7.3	29
10	Spectroscopic assignments of Ti^{3+} in titanium-doped Ti^{3+} . <i>Physical Review B</i> , 2008, 78, .	3.2	28
11	Raman and photoacoustic spectroscopies of SnO ₂ thin films deposited by spin coating technique. <i>Vibrational Spectroscopy</i> , 2020, 109, 103094.	2.2	27
12	Luminescence and upconversion processes in Er^{3+} tellurite glasses. <i>Journal of Luminescence</i> , 2018, 201, 110-114.	3.1	23
13	Thermal and optical properties of lithium-zinc-tellurite glasses. <i>Materials Chemistry and Physics</i> , 2019, 231, 150-158.	4.0	21
14	Co-Loaded Curcumin and Methotrexate Nanocapsules Enhance Cytotoxicity against Non-Small-Cell Lung Cancer Cells. <i>Molecules</i> , 2020, 25, 1913.	3.8	19
15	Photoacoustic signal with two heating sources: theoretical predictions and experimental results for the open photoacoustic cell technique. <i>Measurement Science and Technology</i> , 2020, 31, 075202.	2.6	18
16	Pulsed photothermal mirror technique: characterization of opaque materials. <i>Applied Optics</i> , 2014, 53, 7985.	2.1	17
17	Ursolic acid-loaded lipid-core nanocapsules reduce damage caused by estrogen deficiency in wound healing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 203, 111720.	5.0	16
18	A synergistic effect of heavy metal oxides to enhance the physical, optical, and radiation-absorption properties of TeO ₂ -Li ₂ O-BaO glasses. <i>Optik</i> , 2022, 261, 169189.	2.9	16

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19	Nystatin complexation with β -cyclodextrin: Spectroscopic evaluation of inclusion by FT-Raman, photoacoustic spectroscopy, and ^1H NMR. <i>Materials Chemistry and Physics</i> , 2020, 239, 122117.	4.0	13
20	Hesperidin-Loaded Solid Lipid Nanoparticles: Development and Physicochemical Properties Evaluation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4747-4757.	0.9	12
21	Theoretical predictions for photoacoustic signal: Fractionary thermal diffusion with modulated light absorption source. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	12
22	Effects of thermal oxidation on the effective thermal diffusivity of titanium alloys. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 385306.	2.8	11
23	Correlation between nonbridging oxygens and the thermal and optical properties of the $\text{TeO}_2\text{-Li}_2\text{O-MoO}_3$ glassy system. <i>Journal of Materials Research</i> , 2015, 30, 2417-2424.	2.6	11
24	Physicochemical, biological and release studies of chitosan membranes incorporated with <i>Euphorbia umbellata</i> fraction. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 433-443.	1.4	11
25	Microscopy and Histochemistry of Leaves and Stems of <i>Baccharis</i> Subgenus <i>Coridifoliae</i> (Asteraceae) Through LM and SEM-EDS. <i>Microscopy and Microanalysis</i> , 2021, 27, 1273-1289.	0.4	11
26	Anomalous thermal diffusion in two-layer system: The temperature profile and photoacoustic signal for rear light incidence. <i>International Journal of Thermal Sciences</i> , 2022, 179, 107661.	4.9	11
27	Upconversion luminescence and hypersensitive transitions of Pr^{3+} doped calcium aluminosilicate glasses. <i>Journal of Luminescence</i> , 2018, 202, 27-31.	3.1	10
28	Fractional GCEs behaviors merged: Prediction to the photoacoustic signal obtained with subdiffusive and superdiffusive operators. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	10
29	Soret effect in lyotropic liquid crystal in the isotropic phase revealed by time-resolved thermal lens. <i>Journal of Molecular Liquids</i> , 2020, 312, 113381.	4.9	10
30	Luminescence quantum efficiency investigation of low silica calcium aluminosilicate glasses doped with Eu_2O_3 by thermal lens spectrometry. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3624-3627.	3.1	9
31	The phase-resolved photoacoustic method to indicate chemical assignments of paracetamol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 121, 719-723.	3.9	9
32	Thermo-structural analysis of $\text{TeO}_2\text{-Li}_2\text{O-MoO}_3$ glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 1439-1445.	3.6	9
33	Non-isothermal crystallization of $\text{TeO}_2\text{-Na}_2\text{O-TiO}_2$ glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 524, 119655.	3.1	9
34	A generalized Drude-Lorentz model for refractive index behavior of tellurite glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16949-16955.	2.2	9
35	Adapalene-loaded poly(ϵ -caprolactone) microparticles: Physicochemical characterization and in vitro penetration by photoacoustic spectroscopy. <i>PLoS ONE</i> , 2019, 14, e0213625.	2.5	9
36	White light source and optical thermometry based on zinc-tellurite glass tri-doped with $\text{Tm}^{3+}/\text{Er}^{3+}/\text{Sm}^{3+}$. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163305.	5.5	9

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37	High values of gain cross section and luminescence quantum efficiency in OH ⁻ -free Ti ³⁺ -doped low-silica calcium aluminosilicate glass. <i>Optics Letters</i> , 2010, 35, 1055.	3.3	8
38	Thermal, structural and optical properties of TeO ₂ -Na ₂ O-TiO ₂ glassy system. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16695-16701.	2.2	8
39	Refractive index behavior of tellurite glasses. <i>Optical Materials</i> , 2021, 112, 110810.	3.6	8
40	Interplay between super and subdiffusive behaviors in photothermal phenomena. <i>International Journal of Thermal Sciences</i> , 2021, 159, 106539.	4.9	7
41	Characterization and In Vitro and In Vivo Evaluation of Tacrolimus-Loaded Poly(μ -Caprolactone) Nanocapsules for the Management of Atopic Dermatitis. <i>Pharmaceutics</i> , 2021, 13, 2013.	4.5	7
42	Host-guest complexes of 2-hydroxypropyl- β -cyclodextrin/ β -cyclodextrin and nifedipine: 1 H NMR, molecular modeling, and dissolution studies. <i>Journal of Molecular Structure</i> , 2017, 1150, 146-154.	3.6	6
43	Stability testing of tacrolimus-loaded poly(ϵ -caprolactone) nanoparticles by physicochemical assays and Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2020, 110, 103139.	2.2	6
44	Validation of Analytical Methods for Tacrolimus Determination in Poly(μ -caprolactone) Nanocapsules and Identification of Drug Degradation Products. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 5920-5928.	0.9	5
45	Diffusion Processes and Drug Release: Capsaicinoids - Loaded Poly (μ -caprolactone) Microparticles. <i>PLoS ONE</i> , 2016, 11, e0157662.	2.5	4
46	Characterization of oxyfluorotellurite glasses with TeO ₂ -Li ₂ O-ZnO-LiF composition. <i>Ceramics International</i> , 2022, 48, 4302-4311.	4.8	4
47	Effect of magnetic coupling on non-radiative relaxation time of Fe ³⁺ sites on LaAl _{1-x} Fe _x O ₃ pigments. <i>Journal of Applied Physics</i> , 2018, 123, 075101.	2.5	3
48	Innovative phytoformulation containing capsaicinoids: Microparticles development, analytical method validation, and anti-ulcer effect. <i>Pharmacognosy Magazine</i> , 2018, 14, 290.	0.6	3
49	Polyvinylpyrrolidone Quantification in Paracetamol Using Phase-Resolved Photoacoustic Method. <i>Spectroscopy Letters</i> , 2015, 48, 427-430.	1.0	2
50	Characterization of Heat Diffusion Properties of Rubberized Two-Layer Systems Using Open Photoacoustic Cell Spectroscopy. <i>Applied Spectroscopy</i> , 2018, 72, 251-256.	2.2	2
51	Diffusion Process and Reaction on a Surface. <i>Advances in Mathematical Physics</i> , 2018, 2018, 1-11.	0.8	2
52	A Step Forward Towards Smart White Lighting: Combination of Glass Phosphor and Blue LEDs. <i>ECS Transactions</i> , 2009, 25, 237-246.	0.5	1
53	Re-absorption process in the upconversion green emission of the erbium ion-doped fluorozirconate glass system. <i>Journal of Luminescence</i> , 2010, 130, 645-647.	3.1	1
54	Stark splitting of the ground state of Er ³⁺ in fluorozirconate glass at low temperature. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 114-116.	3.1	1

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55	Fractional Diffusion Equation with Spherical Symmetry and Reactive Boundary Conditions. Fundamenta Informaticae, 2017, 151, 341-354.	0.4	1
56	Investigating the real translucency of the endodontic fiber posts. AIP Advances, 2018, 8, 025225.	1.3	1
57	Raman gain coefficient of Er ³⁺ doped TeO ₂ –Li ₂ O–ZnO glasses. Journal of Materials Science: Materials in Electronics, 2019, 30, 16917-16921.	2.2	1
58	DEVELOPMENT AND VALIDATION OF A FAST AND SENSITIVE UHPLC-PDA METHOD FOR THE QUANTIFICATION OF URSOLIC ACID IN POLY(L-LACTIC ACID) NANOCAPSULES. Asian Journal of Pharmaceutical and Clinical Research, 0, , 161-165.	0.3	1
59	Opalescence and color stability of composite resins: an in vitro longitudinal study. Clinical Oral Investigations, 2022, 26, 2635-2643.	3.0	1
60	SIMVASTATIN-LOADED NANOCAPSULES REDUCE TNF- α EXPRESSION IN RAT PERITONEUM AFTER INFUSION OF PERITONEAL DIALYSIS SOLUTION. Asian Journal of Pharmaceutical and Clinical Research, 0, , 146-152.	0.3	0