Silvia Helena Santagneli

List of Publications by Year
in descending order

44 papers	800 citations	516215 16 h-index	525886 27 g-index
46 all docs	46 docs citations	46 times ranked	1228 citing authors

#	Article	IF	Citations
1	Structural Studies of NaPO₃â˜'MoO₃ Glasses by Solid-State Nuclear Magnetic Resonance and Raman Spectroscopy. Journal of Physical Chemistry B, 2007, 111, 10109-10117.	1.2	89
2	Effect of cerium on structure modifications of a hybrid solâ€“gel coating, its mechanical properties and anti-corrosion behavior. Materials Research Bulletin, 2012, 47, 3170-3176.	2.7	66
3	Nanocellulose-collagen-apatite composite associated with osteogenic growth peptide for bone regeneration. International Journal of Biological Macromolecules, 2017, 103, 467-476.	3.6	64
4	Preparation and Characterization of Chitosan Nanoparticles for Zidovudine Nasal Delivery. Journal of Nanoscience and Nanotechnology, 2015, 15, 865-874.	0.9	53
5	Synthesis and factorial design applied to a novel chitosan/sodium polyphosphate nanoparticles via ionotropic gelation as an RGD delivery system. Carbohydrate Polymers, 2017, 157, 1695-1702.	5.1	40
6	Rare-earth doped fluoride phosphate glasses: structural foundations of their luminescence properties. Physical Chemistry Chemical Physics, 2017, 19, 21612-21624.	1.3	34
7	Methods for Lithium Ion NASICON Preparation: From Solid-State Synthesis to Highly Conductive Glass-Ceramics. Journal of Physical Chemistry C, 2020, 124, 26518-26539.	1.5	34
8	Ultraviolet Upconversion Luminescence in a Highly Transparent Triply-Doped Gd³⁺â€“Tm³⁺â€“Yb³⁺ Fluorideâ€“Phosphate Glasses. Journal of Physical Chemistry C, 2018, 122, 2275-2284.	1.5	33
9	Silk fibroin as a biotemplate for hierarchical porous silica monoliths for random laser applications. Journal of Materials Chemistry C, 2018, 6, 2712-2723.	2.7	30
10	Preparation, Structural Characterization, and Electrical Conductivity of Highly Ion-Conducting Glasses and Glass Ceramics in the System Li_{1+x}Al_xSn_yGe_{2-(x+y)}(PO₄)₃. Journal of Physical Chemistry C, 2016, 120, 14556-14567.	1.5	27
11	Al³⁺ Environments in Nanostructured ZnAl₂O₄ and Their Effects on the Luminescence Properties. Journal of Nanoscience and Nanotechnology, 2008, 8, 5690-5695.	0.9	25
12	High tantalum oxide content in Eu3+-doped phosphate glass and glass-ceramics for photonic applications. Journal of Alloys and Compounds, 2020, 842, 155853.	2.8	22
13	Fabrication of Biocompatible, Functional, and Transparent Hybrid Films Based on Silk Fibroin and Epoxy Silane for Biophotonics. ACS Applied Materials & Interfaces, 2017, 9, 27905-27917.	4.0	18
14	Structural studies of AgPO3â€“MoO3 glasses using solid state NMR and vibrational spectroscopies. Journal of Non-Crystalline Solids, 2012, 358, 985-992.	1.5	17
15	Glasses in the NaPO3-WO3-NaF ternary system: preparation, physical properties and structural studies. Journal of Non-Crystalline Solids, 2019, 505, 379-389.	1.5	17
16	As_4S_4 role on the photoinduced birefringence of silver-doped chalcogenide thin films. Optical Materials Express, 2016, 6, 1451.	1.6	16
17	Understanding kinetics and thermodynamics of the interactions between amitriptyline or eosin yellow and aminosilane-modified cellulose. Carbohydrate Polymers, 2019, 225, 115246.	5.1	16
18	Phosphate glasses via coacervation route containing CdFe₂O₄ nanoparticles: structural, optical and magnetic characterization. Dalton Transactions, 2018, 47, 5771-5779.	1.6	14

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19	Preparation and structural characterization of sodium polyphosphate coacervate as a precursor for optical materials. Materials Chemistry and Physics, 2016, 180, 114-121.	2.0	13
20	Compositional Optimization of Emission Properties for Rare-Earth Doped Fluoride Phosphate Glasses: Structural Investigations via NMR, EPR, and Optical Spectroscopies. Journal of Physical Chemistry C, 2019, 123, 31219-31231.	1.5	13
21	Structural investigations of tungsten silver phosphate glasses by solid state NMR, vibrational and X-ray absorption near edge spectroscopies. Journal of Non-Crystalline Solids, 2011, 357, 2126-2131.	1.5	12
22	Multifunctional organicâ€“inorganic hybrids based on cellulose acetate and 3-glycidoxypropyltrimethoxysilane. Journal of Sol-Gel Science and Technology, 2017, 81, 114-126.	1.1	12
23	Perovskite Quantum Dot Solar Cells: An Overview of the Current Advances and Future Perspectives. Solar Rrl, 2021, 5, 2100205.	3.1	12
24	Optical and structural properties of neodymium-doped KPO3-MoO3 glasses. Journal of Non-Crystalline Solids, 2017, 458, 65-68.	1.5	11
25	Glass formation in the Sb2O3-SbPO4-WO3 system. Ecletica Quimica, 2017, 42, 51.	0.2	11
26	Study of the Glass Transition Temperature of Asâ€‹scp›S‹/scp› Glasses for the Fabrication of Chalcogenide Optical Fibers. International Journal of Applied Glass Science, 2013, 4, 256-265.	1.0	9
27	Structural Study of the Germaniumâ€“Aluminumâ€“Borate Glasses by Solid State NMR and Raman Spectroscopies. Journal of Physical Chemistry C, 2020, 124, 24460-24469.	1.5	9
28	Nanoporous silk films with capillary action and size-exclusion capacity for sensitive glucose determination in whole blood. Lab on A Chip, 2021, 21, 608-615.	3.1	9
29	Preparation and Characterization of New Glassy System As2P2S8â^'Ga2S3. Journal of Physical Chemistry B, 2008, 112, 4943-4947.	1.2	7
30	Ion-Pair Complexes of Pyrylium and Tetraarylborate as New Hostâ€“Guest Dyes: Photoinduced Electron Transfer Promoting Radical Polymerization. Journal of Physical Chemistry A, 2019, 123, 7374-7383.	1.1	7
31	Luminescent nanohybrids based on silica and silylated Ru(II)â€”Yb(III) heterobinuclear complex: new tools for biological media analysis. Nanotechnology, 2020, 31, 085709.	1.3	7
32	Near-infrared/visible-emitting nanosilica modified with silylated Ru(II) and Ln(III) complexes. Nanotechnology, 2020, 31, 035602.	1.3	7
33	Integrating High-Resolution and Solid-State Magic Angle Spinning NMR Spectroscopy and a Transcriptomic Analysis of Soybean Tissues in Response to Water Deficiency. Phytochemical Analysis, 2017, 28, 529-540.	1.2	6
34	Structural Characterization of Aglâ€“AgPO3â€“Ag2WO4 Superionic Conducting Glasses by Advanced Solid-State NMR Techniques. Journal of Physical Chemistry C, 2017, 121, 13823-13832.	1.5	6
35	NMR Structural Study on the Asâ^'Pâ^'S Glassy System. Chemistry of Materials, 2007, 19, 5493-5498.	3.2	5
36	Structural and luminescence characterization of europium-doped niobium germanate glasses and glass-ceramics: Novel insights from 93Nb solid-state NMR spectroscopy. Ceramics International, 2022, 48, 20801-20808.	2.3	5

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37	Thermal and structural study of glasses in the binary system TeO2â€“Pb(PO3)2. Journal of Non-Crystalline Solids, 2013, 379, 180-184.	1.5	4
38	Modification of Bacterial Cellulose Membrane with 1,4-Bis(triethoxysilyl)benzene: A Thorough Physicalâ€“Chemical Characterization Study. Journal of Physical Chemistry C, 2021, 125, 4498-4508.	1.5	4
39	BiF₃ Incorporation in Na/Ba Mixed Network Modifier Fluorideâ€“Phosphate Glasses: Structural Studies by Solid-State NMR and Raman Spectroscopies. Journal of Physical Chemistry C, 2020, 124, 25578-25587.	1.5	4
40	Glasses on the Nanoscale. , 2013, , 665-692.		3
41	Preparation and Structural Characterization of New Photopolymerizable Transparent Aluminum-Phosphate Hybrid Materials as Resins for 3D Printing. Journal of Physical Chemistry C, 2020, 124, 25621-25631.	1.5	3
42	Photoinduced effects in Asï£¿Sï£¿P glasses. Physica Status Solidi (B): Basic Research, 2009, 246, 1866-1870.	0.7	2
43	Magnetic Resonance and Conductivity Study of Leadâ€“Cadmium Fluorosilicate Glasses and Glass-Ceramics. Journal of Physical Chemistry C, 2018, 122, 6288-6297.	1.5	2
44	Near-Infrared Luminescence from Visible-Light-Sensitized Ruthenium(II)â€“Neodymium(III) Heterobimetallic Bridged Complexes Containing Alkoxy(silyl) Functional Groups. Journal of the Brazilian Chemical Society, 0, , .	0.6	1