

Sidney J L Ribeiro

List of Publications by Year in descending order

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424
papers

14,912
citations

20036

63
h-index

39744

98
g-index

432
all docs

432
docs citations

432
times ranked

15590
citing authors

#	ARTICLE	IF	CITATIONS
1	A UV-visible-NIR active smart photocatalytic system based on NaYbF ₄ :Tm ³⁺ upconverting particles and Ag ₃ PO ₄ /H ₂ O for photocatalytic processes under light on/light off conditions. <i>Materials Advances</i> , 2022, 3, 2706-2715.	2.6	3
2	Low-cost bacterial nanocellulose-based interdigitated biosensor to detect the p53 cancer biomarker. <i>Materials Science and Engineering C</i> , 2022, 134, 112676.	3.8	15
3	Sustainable Smart Tags with Two-Step Verification for Anticounterfeiting Triggered by the Photothermal Response of Upconverting Nanoparticles. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	9
4	Fabrication of Noncytotoxic Functional Siloxane-Coated Bacterial Cellulose Nanocrystals. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2306-2313.	2.0	4
5	Renewable energy for a green future: Electricity produced from efficient luminescent solar concentrators. <i>Solar Energy Advances</i> , 2022, 2, 100013.	1.2	9
6	Flexible bacterial cellulose-based BC-SiO ₂ -TiO ₂ -Ag membranes with self-cleaning, photocatalytic, antibacterial and UV-shielding properties as a potential multifunctional material for combating infections and environmental applications. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104708.	3.3	41
7	Thermally stable SiO ₂ @TiO ₂ core@shell nanoparticles for application in photocatalytic self-cleaning ceramic tiles. <i>Materials Advances</i> , 2021, 2, 2085-2096.	2.6	27
8	Modification of Bacterial Cellulose Membrane with 1,4-Bis(triethoxysilyl)benzene: A Thorough Physical-Chemical Characterization Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4498-4508.	1.5	4
9	Bacterial cellulose growth on 3D acrylate-based microstructures fabricated by two-photon polymerization. <i>JPhys Photonics</i> , 2021, 3, 024003.	2.2	2
10	Monolayer of silica nanospheres assembled onto ITO-coated glass substrates by spin-coating. <i>Nanotechnology</i> , 2021, 32, 205603.	1.3	2
11	Cellulose Based Photonic Materials Displaying Direction Modulated Photoluminescence. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 617328.	2.0	3
12	Self-Supported Smart Bacterial Nanocellulose-Phosphotungstic Acid Nanocomposites for Photochromic Applications. <i>Frontiers in Materials</i> , 2021, 8, .	1.2	11
13	Role of nanostructure in the behaviour of BiVO ₄ -TiO ₂ nanotube photoanodes for solar water splitting in relation to operational conditions. <i>Solar Energy Materials and Solar Cells</i> , 2021, 223, 110980.	3.0	4
14	Perovskite Quantum Dot Solar Cells: An Overview of the Current Advances and Future Perspectives. <i>Solar Rrl</i> , 2021, 5, 2100205.	3.1	12
15	Going Above and Beyond: A Tenfold Gain in the Performance of Luminescence Thermometers Joining Multiparametric Sensing and Multiple Regression. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100301.	4.4	41
16	Enhanced photocatalytic activity of silver vanadate nanobelts in concentrated sunlight delivered through optical fiber bundle coupled with solar concentrator. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	12
17	Direct Femtosecond Laser Printing of Silk Fibroin Microstructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50033-50038.	4.0	12
18	Erbium Single-Band Nanothermometry in the Third Biological Imaging Window: Potential and Limitations. <i>Advanced Optical Materials</i> , 2020, 8, 2001178.	3.6	48

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19	Embedding CoPt magnetic nanoparticles within a phosphate glass matrix. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156576.	2.8	5
20	PDMS-urethanesil hybrid multifunctional materials: combining CO ₂ use and sol-gel processing. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 95, 693-709.	1.1	6
21	Bacterial Nanocellulose/MoS ₂ Hybrid Aerogels as Bifunctional Adsorbent/Photocatalyst Membranes for <i>in-Flow</i> Water Decontamination. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41627-41643.	4.0	92
22	Enhanced photoactivity of BiVO ₄ /Ag/Ag ₂ O Z-scheme photocatalyst for efficient environmental remediation under natural sunlight and low-cost LED illumination. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 600, 124946.	2.3	41
23	A review on polyphosphate coacervates' structural properties and bioapplications. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 94, 531-543.	1.1	11
24	Detection of factor VIII and D-dimer biomarkers for venous thromboembolism diagnosis using electrochemistry immunosensor. <i>Talanta</i> , 2020, 219, 121241.	2.9	8
25	Ultrasound-assisted synthesis of organotin compounds and their application as luminescent dye in silk fibroin scaffolds. <i>Inorganica Chimica Acta</i> , 2020, 505, 119490.	1.2	10
26	Donald R. Ulrich Award 2019. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 95, 503-503.	1.1	0
27	Microbial nanocellulose adherent to human skin used in electrochemical sensors to detect metal ions and biomarkers in sweat. <i>Talanta</i> , 2020, 218, 121153.	2.9	76
28	Bacterial cellulose@SiO ₂ @TiO ₂ organic-inorganic hybrid membranes with self-cleaning properties. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 2-11.	1.1	16
29	Ion-Pair Complexes of Pyrylium and Tetraarylborate as New Host-Guest Dyes: Photoinduced Electron Transfer Promoting Radical Polymerization. <i>Journal of Physical Chemistry A</i> , 2019, 123, 7374-7383.	1.1	7
30	Development, characterization and pre-clinical trials of an innovative wound healing dressing based on propolis (EPP-AF [®])-containing self-microemulsifying formulation incorporated in biocellulose membranes. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 570-578.	3.6	31
31	Photoluminescence of Ag ⁺ and Ag _n ^m in co-doped Pr ³⁺ /Yb ³⁺ fluorophosphate glasses: tuning visible emission and energy transfer to Pr ³⁺ /Yb ³⁺ ions through excitation in different silver species. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16878-16885.	1.1	6
32	Formation and optical properties of new glasses within Sb ₂ O ₃ -WO ₃ -ZnO ternary system. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16798-16805.	1.1	7
33	Femtosecond direct laser writing of silk fibroin optical waveguides. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16843-16848.	1.1	13
34	Solvent-controlled deposition of titania on silica spheres for the preparation of SiO ₂ @TiO ₂ core@shell nanoparticles with enhanced photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 570, 293-305.	2.3	54
35	Precisely tailored shell thickness and Ln ³⁺ content to produce multicolor emission from Nd ³⁺ -sensitized Gd ³⁺ -based core/shell/shell UCNPs through bi-directional energy transfer. <i>Nanoscale Advances</i> , 2019, 1, 1936-1947.	2.2	9
36	Luminescent Mesoporous Silica Nanohybrid Based on Drug Derivative Terbium Complex. <i>Materials</i> , 2019, 12, 933.	1.3	12

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37	Phosphotellurite glass and glass-ceramics with high TeO ₂ contents: thermal, structural and optical properties. Dalton Transactions, 2019, 48, 6261-6272.	1.6	26
38	Transparent bacterial cellulose nanocomposites used as substrate for organic light-emitting diodes. Journal of Materials Science: Materials in Electronics, 2019, 30, 16718-16723.	1.1	21
39	Photonic materials displaying direction modulated photoluminescence. , 2019, , .		0
40	Biopolymer-Metal Composites. , 2019, , 261-301.		0
41	Effect of silica coating on the catalytic activity of maghemite nanoparticles impregnated into mesoporous silica matrix. Materials Chemistry and Physics, 2019, 225, 145-152.	2.0	7
42	Inorganic-organic bio-nanocomposite films based on Laponite and Cellulose Nanofibers (CNF). Applied Clay Science, 2019, 168, 428-435.	2.6	39
43	Sustainable Liquid Luminescent Solar Concentrators. Advanced Sustainable Systems, 2019, 3, 1800134.	2.7	30
44	Study of the energy transfer process in rare earth-doped silk fibroin for future application in luminescent compounds. Journal of Luminescence, 2019, 205, 423-428.	1.5	10
45	Magnetic Resonance and Conductivity Study of Lead-Cadmium Fluorosilicate Glasses and Glass-Ceramics. Journal of Physical Chemistry C, 2018, 122, 6288-6297.	1.5	2
46	Sustainable luminescent solar concentrators based on organic-inorganic hybrids modified with chlorophyll. Journal of Materials Chemistry A, 2018, 6, 8712-8723.	5.2	38
47	Up-conversion mechanisms in Er ³⁺ -doped fluoroindate glasses under 1550 nm excitation for enhancing photocurrent of crystalline silicon solar cell. Journal of Luminescence, 2018, 200, 260-264.	1.5	17
48	Three-dimensional printing and in vitro evaluation of poly(3-hydroxybutyrate) scaffolds functionalized with osteogenic growth peptide for tissue engineering. Materials Science and Engineering C, 2018, 89, 265-273.	3.8	76
49	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
50	Biopolymer-based membranes associated with osteogenic growth peptide for guided bone regeneration. Biomedical Materials (Bristol), 2018, 13, 035009.	1.7	18
51	Luminescent Eu ³⁺ doped Al ₆ Ge ₂ O ₁₃ crystalline compounds obtained by the sol gel process for photonics. Optical Materials, 2018, 75, 297-303.	1.7	11
52	Mueller matrix spectroscopic ellipsometry study of chiral nanocrystalline cellulose films. Journal of Optics (United Kingdom), 2018, 20, 024001.	1.0	31
53	Enhanced NIR-I emission from water-dispersible NIR-II dye-sensitized core/active shell upconverting nanoparticles. Journal of Materials Chemistry C, 2018, 6, 4777-4785.	2.7	31
54	Effect of in situ modification of bacterial cellulose with carboxymethylcellulose on its nano/microstructure and methotrexate release properties. Carbohydrate Polymers, 2018, 179, 126-134.	5.1	87

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55	Hydrothermal synthesis of bacterial cellulose-copper oxide nanocomposites and evaluation of their antimicrobial activity. <i>Carbohydrate Polymers</i> , 2018, 179, 341-349.	5.1	94
56	Eu(III)-coordination polymer sub-micron fibers: material for selective and sensitive detection of Cu ²⁺ ions via competition between photoinduced electron transfer and energy transfer. <i>Journal of Materials Chemistry C</i> , 2018, 6, 153-161.	2.7	11
57	N-(2-Hydroxy)-propyl-3-trimethylammonium, O-Mycristoyl Chitosan Enhances the Solubility and Intestinal Permeability of Anticancer Curcumin. <i>Pharmaceutics</i> , 2018, 10, 245.	2.0	19
58	New organic-inorganic hybrid composites based on cellulose nanofibers and modified Laponite. <i>Advanced Optical Technologies</i> , 2018, 7, 327-334.	0.9	4
59	Polymerization Rate Modulated by Tetraarylborate Anion Structure: Direct Correlation of Hammett Substituent Constant with Polymerization Kinetics of 2-Hydroxyethyl Methacrylate. <i>Macromolecules</i> , 2018, 51, 7905-7913.	2.2	10
60	Direct Femtosecond Laser Printing of PPV on Bacterial Cellulose-Based Paper for Flexible Organic Devices. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800265.	1.7	5
61	A new SERS substrate based on niobium lead-pyrophosphate glasses obtained by Ag ⁺ /Na ⁺ ion exchange. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 347-352.	4.0	13
62	SiO ₂ -TiO ₂ doped with Er ³⁺ /Yb ³⁺ /Eu ³⁺ photoluminescent material: A spectroscopy and structural study about potential application for improvement of the efficiency on solar cells. <i>Materials Research Bulletin</i> , 2018, 107, 295-307.	2.7	31
63	Large Area Tunable Visible-Near Infrared Luminescent Solar Concentrators. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800002.	2.7	32
64	Komagataeibacter rhaeticus grown in sugarcane molasses-supplemented culture medium as a strategy for enhancing bacterial cellulose production. <i>Industrial Crops and Products</i> , 2018, 122, 637-646.	2.5	74
65	Multifunctional organic-inorganic hybrids based on cellulose acetate and 3-glycidoxypropyltrimethoxysilane. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 114-126.	1.1	12
66	Optimized Synthesis of Silver Nanoparticles by Factorial Design with Application for the Determination of Melamine in Milk. <i>Analytical Letters</i> , 2017, 50, 829-841.	1.0	16
67	A portable luminescent thermometer based on green up-conversion emission of Er ³⁺ /Yb ³⁺ co-doped tellurite glass. <i>Scientific Reports</i> , 2017, 7, 41596.	1.6	138
68	Photochromic dynamics of organic-inorganic hybrids supported on transparent and flexible recycled PET. <i>Optical Materials</i> , 2017, 66, 297-301.	1.7	14
69	UV and Temperature-Sensing Based on NaCdF ₄ :Yb ³⁺ :Er ³⁺ @SiO ₂ -Eu(tta) ₃ . <i>ACS Omega</i> , 2017, 2, 2065-2071.	1.6	50
70	Nanocellulose-collagen-apatite composite associated with osteogenic growth peptide for bone regeneration. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 467-476.	3.6	64
71	Development and characterization of bacterial cellulose produced by cashew tree residues as alternative carbon source. <i>Industrial Crops and Products</i> , 2017, 107, 13-19.	2.5	87
72	Microwave-assisted synthesis of NaYF ₄ :Yb ³⁺ /Tm ³⁺ upconversion particles with tailored morphology and phase for the design of UV/NIR-active NaYF ₄ :Yb ³⁺ /Tm ³⁺ @TiO ₂ core@shell photocatalysts. <i>CrystEngComm</i> , 2017, 19, 3465-3475.	1.3	35

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73	Low energy X-ray grating interferometry at the Brazilian Synchrotron. Optics Communications, 2017, 393, 195-198.	1.0	3
74	Optical sensor platform based on cellulose nanocrystals (CNC) and 4-(hexyloxy)-4-biphenylcarbonitrile (HOBC) bi-phase nematic liquid crystal composite films. Carbohydrate Polymers, 2017, 168, 346-355.	5.1	26
75	Structural and optical study of glasses in the TeO ₂ -GeO ₂ -PbF ₂ ternary system. Journal of Non-Crystalline Solids, 2017, 463, 158-162.	1.5	9
76	Optical and structural properties of neodymium-doped KPO ₃ -MoO ₃ glasses. Journal of Non-Crystalline Solids, 2017, 458, 65-68.	1.5	11
77	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
78	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
79	Upconversion nanoparticle-decorated gold nanoshells for near-infrared induced heating and thermometry. Journal of Materials Chemistry B, 2017, 5, 7109-7117.	2.9	35
80	Hybrid composite material based on polythiophene derivative nanofibers modified with gold nanoparticles for optoelectronics applications. Journal of Materials Science, 2017, 52, 1919-1929.	1.7	38
81	Silk fibroin organization induced by chitosan in layer-by-layer films: Application as a matrix in a biosensor. Carbohydrate Polymers, 2017, 155, 146-151.	5.1	27
82	Hybrid layer-by-layer (LbL) films of polyaniline, graphene oxide and zinc oxide to detect ammonia. Sensors and Actuators B: Chemical, 2017, 238, 795-801.	4.0	81
83	Development of coverage and its evaluation in the treatment of chronic wounds. Investigacion Y Educacion En Enfermeria, 2017, 35, 330-339.	0.4	5
84	Photoluminescence and Structural Analysis of Er ³⁺ /Yb ³⁺ /Tm ³⁺ Triply Doped Gd ₂ O ₃ . Revista Virtual De Quimica, 2017, 9, 2257-2271.	0.1	1
85	Characterization of Thin Carbon Films Produced by the Magnetron Sputtering Technique. Materials Research, 2016, 19, 669-672.	0.6	15
86	Facile Synthesis of Tellurium Nanowires and Study of Their Third-Order Nonlinear Optical Properties. Journal of the Brazilian Chemical Society, 2016, , .	0.6	11
87	Bacterial Cellulose Membranes as a Potential Drug Delivery System for Photodynamic Therapy of Skin Cancer. Journal of the Brazilian Chemical Society, 2016, , .	0.6	5
88	Bacterial Cellulose/Collagen Hydrogel for Wound Healing. Materials Research, 2016, 19, 106-116.	0.6	108
89	White and Light and Yellow/Blue Photoluminescence Emission Based on Dy ³⁺ -Doped SiO ₂ -Gd ₂ O ₃ Composites. Journal of the American Ceramic Society, 2016, 99, 3025-3032.	1.9	3
90	Scale up the collection area of luminescent solar concentrators towards metre-length flexible waveguiding photovoltaics. Progress in Photovoltaics: Research and Applications, 2016, 24, 1178-1193.	4.4	51

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91	Construction of a series of rare earth metal-organic frameworks supported by thiophenedicarboxylate linker: Synthesis, characterization, crystal structures and near-infrared/visible luminescence. <i>Inorganica Chimica Acta</i> , 2016, 451, 41-51.	1.2	15
92	Preparation, Structural Characterization, and Electrical Conductivity of Highly Ion-Conducting Glasses and Glass Ceramics in the System $\text{Li}_{1-x}\text{Al}_x\text{Sn}_y\text{Ge}_{2-(x+y)}(\text{PO}_4)_3$. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14556-14567.	1.5	27
93	Bifunctional silica nanoparticles for the exploration of <i>Pseudomonas aeruginosa</i> biofilm. , 2016, , .		0
94	DETC-based bacterial cellulose bio-curatives for topical treatment of cutaneous leishmaniasis. <i>Scientific Reports</i> , 2016, 6, 38330.	1.6	34
95	Preparation and structural characterization of sodium polyphosphate coacervate as a precursor for optical materials. <i>Materials Chemistry and Physics</i> , 2016, 180, 114-121.	2.0	13
96	Immunosensor for diagnosis of Alzheimer disease using amyloid- β 1 α peptide and silk fibroin thin films. <i>Materials Science and Engineering C</i> , 2016, 68, 338-342.	3.8	13
97	Highly nonlinear $\text{Pb}_2\text{P}_2\text{O}_7\text{-Nb}_2\text{O}_5$ glasses for optical fiber production. <i>Journal of Non-Crystalline Solids</i> , 2016, 443, 82-90.	1.5	29
98	Visible up-conversion and near-infrared luminescence of $\text{Er}^{3+}/\text{Yb}^{3+}$ co-doped $\text{SbPO}_4\text{-GeO}_2$ glasses. <i>Optical Materials</i> , 2016, 57, 71-78.	1.7	20
99	Structural, electronic and photoluminescence properties of Eu^{3+} -doped CaYAlO_4 obtained by using citric acid complexes as precursors. <i>Optical Materials</i> , 2016, 57, 45-55.	1.7	18
100	Structural investigation of nickel polyphosphate coacervate glass-ceramics. <i>RSC Advances</i> , 2016, 6, 91150-91156.	1.7	11
101	Concentration dependence of the infrared photoluminescence of Pr^{3+} in fluoroindate glasses. , 2016, , .		0
102	Thermal, structural and optical properties of new $\text{TeO}_2\text{Sb}_2\text{O}_3\text{GeO}_2$ ternary glasses. <i>Optical Materials</i> , 2016, 62, 95-103.	1.7	11
103	Facile Synthesis of Sub-20 nm Silver Nanowires through a Bromide-Mediated Polyol Method. <i>ACS Nano</i> , 2016, 10, 7892-7900.	7.3	223
104	Multifunctional EuYVO_4 nanoparticles coated with mesoporous silica. <i>Journal of Luminescence</i> , 2016, 179, 197-202.	1.5	6
105	A multipurpose natural and renewable polymer in medical applications: Bacterial cellulose. <i>Carbohydrate Polymers</i> , 2016, 153, 406-420.	5.1	250
106	Bifunctional Magnetic Luminescent Particles Based on Iron Oxide Nanoparticles Grafted with a Europium Silylated Bipyridine $\text{Tris}(\beta\text{-diketonate})$ Complex. <i>ChemistrySelect</i> , 2016, 1, 5923-5928.	0.7	3
107	Structural properties and visible emission of Eu^{3+} -activated $\text{SiO}_2\text{-ZnO-TiO}_2$ powders prepared by a soft chemical process. <i>Optical Materials</i> , 2016, 62, 438-446.	1.7	7
108	Broadened band C-telecom and intense upconversion emission of $\text{Er}^{3+}/\text{Yb}^{3+}$ co-doped CaYAlO_4 luminescent material obtained by an easy route. <i>Journal of Luminescence</i> , 2016, 178, 226-233.	1.5	15

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109	Komagataeibacter rhaeticus as an alternative bacteria for cellulose production. Carbohydrate Polymers, 2016, 152, 841-849.	5.1	54
110	Photoluminescence and nonlinear optical phenomena in plasmonic random media—A review of recent works. Journal of Luminescence, 2016, 169, 492-496.	1.5	13
111	Energy transfer process in highly photoluminescent binuclear hydrocinnamate of europium, terbium and gadolinium containing 1,10-phenanthroline as ancillary ligand. Inorganica Chimica Acta, 2016, 441, 67-77.	1.2	40
112	Luminescent multifunctional hybrids obtained by grafting of ruthenium complexes on mesoporous silica. Materials Letters, 2016, 174, 1-5.	1.3	6
113	Switchable photoluminescence liquid crystal coated bacterial cellulose films with conductive response. Carbohydrate Polymers, 2016, 143, 188-197.	5.1	11
114	Regenerated cellulose scaffolds: Preparation, characterization and toxicological evaluation. Carbohydrate Polymers, 2016, 136, 892-898.	5.1	29
115	Silk fibroin-antigenic peptides-YVO 4 :Eu 3+ nanostructured thin films as sensors for hepatitis C. Journal of Luminescence, 2016, 170, 375-379.	1.5	15
116	Near infrared emission and multicolor tunability of enhanced upconversion emission from Er 3+ /Yb 3+ co-doped Nb 2 O 5 nanocrystals embedded in silica-based nanocomposite and planar waveguides for photonics. Journal of Luminescence, 2016, 170, 431-443.	1.5	24
117	NIR luminescence from erbium doped (100 ^x)SiO 2 : x ZnO powders obtained by soft chemical synthesis. Journal of Luminescence, 2016, 170, 663-670.	1.5	3
118	GLASSY MATERIALS AND LIGHT: PART 1. Quimica Nova, 2016, , .	0.3	0
119	GLASSY MATERIALS AND LIGHT: PART 2. Quimica Nova, 2016, , .	0.3	0
120	Thermal, Structural, and Crystallization Properties of New Tantalum Alkali—Germanate Glasses. Journal of the American Ceramic Society, 2015, 98, 2086-2093.	1.9	19
121	Bacterial cellulose-hydroxyapatite composites with osteogenic growth peptide (OGP) or pentapeptide OGP on bone regeneration in critical-size calvarial defect model. Journal of Biomedical Materials Research - Part A, 2015, 103, 3397-3406.	2.1	57
122	Tailoring the Structure and Luminescence of Nanostructured Er ³⁺ and Er ³⁺ /Yb ³⁺ —Activated Hafnia—Based Systems. Journal of the American Ceramic Society, 2015, 98, 3136-3144.	1.9	3
123	Biodegradation evaluation of bacterial cellulose, vegetable cellulose and poly (3-hydroxybutyrate) in soil. Polimeros, 2015, 25, 154-160.	0.2	28
124	Synthesis and Characterization of Methylcellulose Produced from Bacterial Cellulose under Heterogeneous Condition. Journal of the Brazilian Chemical Society, 2015, , .	0.6	31
125	CELLULOSE NANOCRYSTALS FROM BACTERIAL CELLULOSE. Quimica Nova, 2015, , .	0.3	7
126	Near Infrared Emission at 1000 nm from Nanostructured Pr ³⁺ /Yb ³⁺ -Co-doped SiO ₂ -Nb ₂ O ₅ for Solar Cell Application. Journal of the Brazilian Chemical Society, 2015, , .	0.6	0

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127	Simple and cost-effective method to obtain RE ³⁺ -doped Al ₂ O ₃ for possible photonic applications. <i>Ceramics International</i> , 2015, 41, 10406-10414.	2.3	3
128	Characterization and Application of Nanostructured Films Containing Au and TiO ₂ Nanoparticles Supported in Bacterial Cellulose. <i>Journal of Physical Chemistry C</i> , 2015, 119, 340-349.	1.5	20
129	Structural and optical properties of Er ³⁺ doped SiO ₂ -Al ₂ O ₃ -GeO ₂ compounds prepared by a simple route. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 194, 21-26.	1.7	14
130	Nano- and Macroscale Structural and Mechanical Properties of in Situ Synthesized Bacterial Cellulose/PEO-PPO-PEO Biocomposites. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4142-4150.	4.0	36
131	Orange pectin mediated growth and stability of aqueous gold and silver nanocolloids. <i>Applied Surface Science</i> , 2015, 341, 28-36.	3.1	32
132	Zirconium-methacrylate oxoclusters as new hybrid materials for the modification of epoxy systems. <i>Journal of Materials Science</i> , 2015, 50, 2903-2913.	1.7	5
133	Photoluminescent and structural properties of ZnO containing Eu ³⁺ using PEG as precursor. <i>Journal of Luminescence</i> , 2015, 167, 197-203.	1.5	6
134	PWA-diureasils organic-inorganic hybrids. Photochromism and effect of the organic chain length. <i>Optical Materials</i> , 2015, 46, 64-69.	1.7	6
135	Enhanced photochromic response of ormosil-phosphotungstate nanocomposite coatings doped with TiO ₂ nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 76, 386-394.	1.1	10
136	Synthesis, characterization and evaluation of scintillation properties of Eu ³⁺ -doped Gd ₂ O ₃ obtained using PEG as precursor. <i>Journal of Alloys and Compounds</i> , 2015, 648, 467-473.	2.8	12
137	Color tunability in green, red and infra-red upconversion emission in Tm ³⁺ /Yb ³⁺ /Ho ³⁺ co-doped CeO ₂ with potential application for improvement of efficiency in solar cells. <i>Journal of Luminescence</i> , 2015, 159, 223-228.	1.5	29
138	Third-order nonlinearities and other properties of molybdenum lead-pyrophosphate glass. <i>Optical Materials</i> , 2015, 42, 298-302.	1.7	3
139	Synthesis, structural characterization, luminescent properties and theoretical study of three novel lanthanide metal-organic frameworks of Ho(III), Gd(III) and Eu(III) with 2,5-thiophenedicarboxylate anion. <i>Journal of Solid State Chemistry</i> , 2015, 227, 68-78.	1.4	33
140	Preparation and characterization of a bacterial cellulose/silk fibroin sponge scaffold for tissue regeneration. <i>Carbohydrate Polymers</i> , 2015, 128, 41-51.	5.1	185
141	Biocellulose-based flexible magnetic paper. <i>Journal of Applied Physics</i> , 2015, 117, 17B734.	1.1	24
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