

Francielle Sato

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68

papers

1,049

citations

14

h-index

31

g-index

77

ext. papers

1,327

ext. citations

3.4

avg, IF

4.02

L-index

#	Paper	IF	Citations
68	Curcumin-β-cyclodextrin inclusion complex: stability, solubility, characterisation by FT-IR, FT-Raman, X-ray diffraction and photoacoustic spectroscopy, and food application. <i>Food Chemistry</i> , 2014 , 153, 361-70	8.5	302
67	Optical band-gap determination of nanostructured WO ₃ film. <i>Applied Physics Letters</i> , 2010 , 96, 061909	3.4	227
66	Hydrogen peroxide diffusion dynamics in dental tissues. <i>Journal of Dental Research</i> , 2013 , 92, 661-5	8.1	45
65	Time-resolved thermal mirror method: A theoretical study. <i>Journal of Applied Physics</i> , 2008 , 104, 053520	2.5	40
64	Nanoscale surface displacement detection in high absorbing solids by time-resolved thermal mirror. <i>Applied Physics Letters</i> , 2008 , 92, 131903	3.4	34
63	Propolis Extract for Onychomycosis Topical Treatment: From Bench to Clinic. <i>Frontiers in Microbiology</i> , 2018 , 9, 779	5.7	26
62	PEG-coated vesicles from Pluronic/lipid mixtures for the carrying of photoactive erythrosine derivatives. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 175, 530-544	6	25
61	Use of FT-IR, FT-Raman and thermal analysis to evaluate the gel formation of curdlan produced by <i>Agrobacterium</i> sp. IFO 13140 and determination of its rheological properties with food applicability. <i>Food Chemistry</i> , 2017 , 232, 369-378	8.5	21
60	Biomedical Platform Development of a Chlorophyll-Based Extract for Topic Photodynamic Therapy: Mechanical and Spectroscopic Properties. <i>Langmuir</i> , 2018 , 34, 8230-8244	4	21
59	Study of the chemical interaction between a high-viscosity glass ionomer cement and dentin. <i>Journal of Applied Oral Science</i> , 2018 , 26, e20170384	3.3	19
58	Singlet oxygen production by combining erythrosine and halogen light for photodynamic inactivation of <i>Streptococcus mutans</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2016 , 15, 127-32	3.5	17
57	Bioactivity and structural properties of nanostructured bulk composites containing Nb ₂ O ₅ and natural hydroxyapatite. <i>Journal of Applied Physics</i> , 2013 , 113, 223505	2.5	16
56	Band gap energy determination by photoacoustic spectroscopy under continuous light excitation. <i>Applied Physics Letters</i> , 2006 , 89, 231926	3.4	16
55	Insulin complexation with hydroxypropyl-beta-cyclodextrin: Spectroscopic evaluation of molecular inclusion and use of the complex in gel for healing of pressure ulcers. <i>International Journal of Pharmaceutics</i> , 2015 , 490, 229-39	6.5	15
54	Evidence of anti-inflammatory effect and percutaneous penetration of a topically applied fish oil preparation: a photoacoustic spectroscopy study. <i>Journal of Biomedical Optics</i> , 2017 , 22, 55003	3.5	14
53	Color stability over time of three resin-based restorative materials stored dry and in artificial saliva. <i>Journal of Esthetic and Restorative Dentistry</i> , 2014 , 26, 279-87	3.5	13
52	Fourier transform infrared photoacoustic spectroscopy study of physicochemical interaction between human dentin and etch-&-rinse adhesives in a simulated moist bond technique. <i>Journal of Biomedical Optics</i> , 2012 , 17, 065002	3.5	13

51	Chemical and physical characterization of Konjac glucomannan-based powders by FTIR and 13C MAS NMR. <i>Powder Technology</i> , 2020 , 361, 610-616	5.2	12
50	Morphological and structural changes in lung tissue infected by <i>Paracoccidioides brasiliensis</i> : FTIR photoacoustic spectroscopy and histological analysis. <i>Photochemistry and Photobiology</i> , 2013 , 89, 1170-5 ^{3,6}	3.6	11
49	Chemical Interaction Analysis of an Adhesive Containing 10-Methacryloyloxydecyl Dihydrogen Phosphate (10-MDP) With the Dentin in Noncarious Cervical Lesions. <i>Operative Dentistry</i> , 2017 , 42, 357-368	3.9	10
48	Formulation of chloroaluminum phthalocyanine incorporated into PS-b-PAA diblock copolymer nanomicelles. <i>Journal of Molecular Liquids</i> , 2018 , 271, 949-958	6	10
47	Challenges in luting fibre posts: Adhesion to the post and to the dentine. <i>Dental Materials</i> , 2018 , 34, 1054-1062	5.7	9
46	The phase-resolved photoacoustic method to indicate chemical assignments of paracetamol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 121, 719-23	4.4	9
45	Thermoresponsive Hydrogel-Loading Aluminum Chloride Phthalocyanine as a Drug Release Platform for Topical Administration in Photodynamic Therapy. <i>Langmuir</i> , 2021 , 37, 3202-3213	4	9
44	Time-resolved fluctuation during the photochemical reaction of a photoreceptor protein: phototropin1LOV2-linker. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 6228-38	3.6	8
43	Evaluation of photosensitizer penetration into sound and decayed dentin: A photoacoustic spectroscopy study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018 , 21, 108-114	3.5	8
42	Waste from brewing (trub) as a source of protein for the food industry. <i>International Journal of Food Science and Technology</i> , 2019 , 54, 1247-1255	3.8	7
41	Hesperidin-Loaded Solid Lipid Nanoparticles: Development and Physicochemical Properties Evaluation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 4747-4757	1.3	6
40	Correlation between histopathological and FT-Raman spectroscopy analysis of the liver of Swiss mice infected with <i>Paracoccidioides brasiliensis</i> . <i>PLoS ONE</i> , 2014 , 9, e106256	3.7	6
39	Crude extract of <i>Fusarium oxysporum</i> induces apoptosis and structural alterations in the skin of healthy rats. <i>Journal of Biomedical Optics</i> , 2013 , 18, 095004	3.5	6
38	Cell wall structure and composition is affected by light quality in tomato seedlings. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 203, 111745	6.7	6
37	Influence of immediate dentin sealing and interim cementation on the adhesion of indirect restorations with dual-polymerizing resin cement. <i>Journal of Prosthetic Dentistry</i> , 2018 , 119, 678.e1-678.48	4.8	5
36	Are metabolites of <i>Fusarium oxysporum</i> responsible for fungal skin invasion? A morphological and Raman spectroscopy monitoring. <i>Journal of Raman Spectroscopy</i> , 2014 , 45, 873-878	2.3	5
35	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	4.4	5
34	The role of Ag2O on antibacterial and bioactive properties of borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2021 , 554, 120611	3.9	5

33	Fusarium oxysporum is an onychomycosis etiopathogenic agent. <i>Future Microbiology</i> , 2018 , 13, 1745-1756	5
32	Chemical, Thermal, and Spectroscopic Analysis of Organomineral Fertilizer Residue Recovered from an Oxisol. <i>Soil Science Society of America Journal</i> , 2019 , 83, 409-418	2.5 4
31	Hibiscus sabdariffa L. Extract: Characterization (FTIR-ATR), Storage Stability and Food Application. <i>Emirates Journal of Food and Agriculture</i> , 55	1 4
30	Wastewater treatment using Mg-doped ZnO nano-semiconductors: A study of their potential use in environmental remediation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 407, 113078-113084	4.7 4
29	Effects of Bioactive Agents on Dentin Mineralization Kinetics After Dentin Bleaching. <i>Operative Dentistry</i> , 2020 , 45, 286-296	2.9 3
28	Electrospun curcumin/polycaprolactone/copolymer F-108 fibers as a new therapy for wound healing. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48415	2.9 3
27	Polyvinylpyrrolidone Quantification in Paracetamol Using Phase-Resolved Photoacoustic Method. <i>Spectroscopy Letters</i> , 2015 , 48, 427-430	1.1 2
26	Combination of Histopathology and FT-Raman Spectroscopy for the Study of Experimental Paracoccidioidomycosis in the Spleen. <i>Photochemistry and Photobiology</i> , 2018 , 94, 88-94	3.6 2
25	On the use of photothermal techniques to study NiTi phase transitions. <i>Materials Research Express</i> , 2014 , 1, 026502	1.7 2
24	Analytical method to estimate resin cement diffusion into dentin. <i>Journal of Biomedical Optics</i> , 2016 , 21, 55003	3.5 2
23	Mechanical and Chemical Changes in the Adhesive-Dentin Interface after Remineralization. <i>Journal of Adhesive Dentistry</i> , 2020 , 22, 297-309	3 2
22	Study of keratin hair of domestic cat under methionine and cystine experimental diet using FT-Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2019 , 100, 1-5	2.1 2
21	Fish oil preparation inhibits leukocyte recruitment and bands that characterize inflamed tissue in a model of phenol-induced skin inflammation: percutaneous penetration of a topically applied preparation demonstrated by photoacoustic spectroscopy. <i>Natural Product Research</i> , 2020 , 34, 2341-2345	2.3 2
20	Photoacoustic and photothermal and the photovoltaic efficiency of solar cells: A tutorial. <i>Journal of Applied Physics</i> , 2022 , 131, 141101	2.5 2
19	Immune response and Raman scattering assessment in rats skin after contact with Fusarium oxysporum metabolites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 234, 118246	4.4 1
18	In vitro evaluation of composite resin fluorescence after natural aging. <i>Journal of Clinical and Experimental Dentistry</i> , 2020 , 12, e461-e467	1.4 1
17	Evaluation of the influence of light-curing units on the degree of conversion in depth of a bulk-fill resin. <i>Journal of Clinical and Experimental Dentistry</i> , 2020 , 12, e1117-e1123	1.4 1
16	Translucency parameter of conventional restorative glass-ionomer cements. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021 , 33, 935-942	3.5 1

15	High pressure effect on the short- and intermediate-range structure of depolymerized soda lime silicate glass: Insights from micro-Raman spectroscopy. <i>Vibrational Spectroscopy</i> , 2020 , 110, 103113	2.1	1
14	Comparative studies on chemical stability, antioxidant and antimicrobial activity from hot and cold hibiscus (<i>Hibiscus sabdariffa</i> L.) calyces tea infusions. <i>Journal of Food Measurement and Characterization</i> , 2021 , 15, 3531-3538	2.8	1
13	Characterization of a biofilm formed by <i>Fusarium oxysporum</i> on the human nails. <i>International Journal of Dermatology</i> , 2021 ,	1.7	1
12	Aluminum phthalocyanine hydroxide-loaded thermoresponsive biomedical hydrogel: A design for targeted photosensitizing drug delivery. <i>Journal of Molecular Liquids</i> , 2021 , 341, 117421	6	1
11	In Vitro Evaluation of the Stabilization Time of Chemical Bonds During Setting Reaction and Microhardness of Preheated Glass-Ionomer Cements. <i>Operative Dentistry</i> , 2021 , 46, 208-218	2.9	0
10	Cloves (<i>Syzygium aromaticum</i>) fluid gel on healing of pododermatitis in rabbits. <i>Veterinary Research Communications</i> , 2021 , 45, 293-304	2.9	0
9	Effect on Bioactive Compounds and Antioxidant Activity in the Brewing Process for Beers Using Rubim and Mastruz as Hop Replacements. <i>Journal of the American Society of Brewing Chemists</i> , 1-11	1.9	0
8	Ferroic behavior induced by oxygen vacancies in Mn-doped ZnO compounds. <i>Integrated Ferroelectrics</i> , 2016 , 174, 63-70	0.8	
7	2PT169 Transient fluctuation of phototropin LOV2 domain (The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012 , 52, S134	0	
6	2C1436 Photo-reaction of the LOV domain of phototropin under high pressure (Protein: Function 1, The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2011 , 51, S78	0	
5	Opalescence and color stability of composite resins: an in vitro longitudinal study. <i>Clinical Oral Investigations</i> , 2021 , 1	4.2	
4	Performance of asymmetric spinel hollow fiber membranes for hibiscus (<i>Hibiscus sabdariffa</i> L.) extract clarification: Flux modeling and extract stability. <i>Journal of Food Processing and Preservation</i> , 2020 , 44, e14948	2.1	
3	Maintaining the same ratio between standardized ileal digestible methionine and cysteine do not affect its requirements for starting pigs. <i>Journal of Agricultural Science</i> , 1-9	1	
2	Technique for Darkening of Extracted Teeth Simulating Pulpal Necrosis Discoloration.. <i>Clinical, Cosmetic and Investigational Dentistry</i> , 2022 , 14, 103-112	1.6	
1	Dynamics of the natural genesis of β -TCP/HAp phases in postnatal fishbones towards gold standard biocomposites for bone regeneration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 279, 121407	4.4	