Thiago A L Burgo

List of Publications by Year
in descending order

64	1,492	361296	330025
papers	citations	20 h-index	37 g-index

68	68	68	1569
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface milled by CAD-CAM system Vs laboratorial methods to simulate the milled surface: Effect on the resin bond strength to lithium disilicate glass-ceramic. International Journal of Adhesion and Adhesives, 2022, 113, 103068.	1.4	5
2	Hybrid polymer aerogels containing porphyrins as catalysts for efficient photodegradation of pharmaceuticals in water. Journal of Colloid and Interface Science, 2022, 613, 461-476.	5.0	8
3	Nanomolar effective report of tetra-cationic silver(II) porphyrins against non-tuberculous mycobacteria in antimicrobial photodynamic approaches. Photodiagnosis and Photodynamic Therapy, 2022, 38, 102770.	1.3	12
4	Multifunctional coatings of exfoliated and reassembled graphite on cellulosic substrates. Faraday Discussions, 2021, 227, 105-124.	1.6	9
5	Fatigue performance of adhesively luted glass or polycrystalline CAD-CAM monolithic crowns. Journal of Prosthetic Dentistry, 2021, 126, 119-127.	1.1	14
6	A novel tin ferrite/polymer composite use in photo-Fenton reactions. International Journal of Environmental Science and Technology, 2021, 18, 1537-1548.	1.8	17
7	Flexible, low-cost and scalable, nanostructured conductive paper-based, efficient hygroelectric generator. Energy and Environmental Science, 2021, 14, 353-358.	15.6	29
8	Electromechanical coupling in elastomers: a correlation between electrostatic potential and fatigue failure. Physical Chemistry Chemical Physics, 2021, 23, 26653-26660.	1.3	2
9	Carbon nanotubes impregnated with metallic nanoparticles and their application as an adsorbent for the glyphosate removal in an aqueous matrix. Journal of Environmental Chemical Engineering, 2021, 9, 105178.	3.3	38
10	Flexoelectric characterization of dielectrics under tensile, compressive, and flexural loads by non-contact Kelvin probe measurements. Journal of Applied Physics, 2021, 129, .	1.1	5
11	Low-cost elastomer-based flexoelectric devices. Journal of Applied Physics, 2021, 129, .	1.1	7
12	Fatigue behavior of bonded lithium disilicate glass-ceramic simplified restorations is not damaged by the finishing/grinding of the bonding surface of dentin analogue material. International Journal of Adhesion and Adhesives, 2021, 107, 102824.	1.4	2
13	Carboxymethyl chitosan/ionic liquid imidazolium-based nanoparticles as nanocarriers for zinc phthalocyanine and its photodynamic activity. Journal of Molecular Liquids, 2021, 336, 116874.	2.3	10
14	Influence of surface treatment of resin composite substrate on the load-bearing capacity under fatigue of lithium disilicate monolithic simplified restorations. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 124, 104792.	1.5	7
15	Photo-damage promoted by tetra-cationic palladium(II) porphyrins in rapidly growing mycobacteria. Photodiagnosis and Photodynamic Therapy, 2021, 36, 102514.	1.3	12
16	Different Etching Times of a One-step Ceramic Primer: Effect on the Resin Bond Strength Durability to a CAD/CAM Lithium-Disilicate Glass-Ceramic. Journal of Adhesive Dentistry, 2021, 23, 133-143.	0.3	1
17	Microstructure, topography, surface roughness, fractal dimension, internal and marginal adaptation of pressed and milled lithium-disilicate monolithic restorations. Journal of Prosthodontic Research, 2020, 64, 12-19.	1.1	24
18	Removal of fluoride from fertilizer industry effluent using carbon nanotubes stabilized in chitosan sponge. Journal of Hazardous Materials, 2020, 388, 122042.	6.5	74

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19	Polypyrrole-TiO2 composite for removal of 4-chlorophenol and diclofenac. Reactive and Functional Polymers, 2020, 146, 104401.	2.0	33
20	Metal center ion effects on photoinactivating rapidly growing mycobacteria using water-soluble tetra-cationic porphyrins. BioMetals, 2020, 33, 269-282.	1.8	21
21	Fatigue performance of fully-stabilized zirconia polycrystals monolithic restorations: The effects of surface treatments at the bonding surface. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 110, 103962.	1.5	9
22	Spontaneous Mosaics of Charge Formed by Liquid Evaporation. Advanced Materials Interfaces, 2020, 7, 2000884.	1.9	8
23	Peripheral tetra-cationic Pt(II) porphyrins photo-inactivating rapidly growing mycobacteria: First application in mycobacteriology. Microbial Pathogenesis, 2020, 148, 104455.	1.3	29
24	Emission and Collection of Polycyclic Aromatic Hydrocarbons From Raw Asphalt Samples Heated at 130 Â°C. Energy & Fuels, 2020, 34, 11248-11257.	2.5	8
25	The Balance between Charge Mobility and Efficiency in All-Solution-Processed Organic Light-Emitting Diodes of Zn(II) Coordination Compounds/PFO Composites. Journal of Physical Chemistry C, 2020, 124, 21036-21046.	1.5	11
26	Polysaccharide/Fe(III)-porphyrin hybrid film as catalyst for oxidative decolorization of toxic azo dyes: An approach for wastewater treatment. Arabian Journal of Chemistry, 2020, 13, 5923-5938.	2.3	17
27	Caâ€“Al, Niâ€“Al and Znâ€“Al LDH powders as efficient materials to treat synthetic effluents containing o-nitrophenol. Journal of Alloys and Compounds, 2020, 838, 155628.	2.8	36
28	Adsorptive potential of Znâ€“Al and Mgâ€“Fe layered double hydroxides for the removal of 2â€“nitrophenol from aqueous solutions. Journal of Environmental Chemical Engineering, 2020, 8, 103913.	3.3	32
29	Suppressing and controlling electrostatic charge in micropipetting. Journal of Electrostatics, 2020, 106, 103453.	1.0	4
30	Stable Resin Bonding to Y-TZP Ceramic with Air Abrasion by Alumina Particles Containing 7% Silica. Journal of Adhesive Dentistry, 2020, 22, 149-159.	0.3	3
31	Adsorption of phenol onto chitosan hydrogel scaffold modified with carbon nanotubes. Journal of Environmental Chemical Engineering, 2019, 7, 103460.	3.3	64
32	Conduction and Excess Charge in Silicate Glass/Air Interfaces. Langmuir, 2019, 35, 7703-7712.	1.6	8
33	Mechanochemical transduction and hygroelectricity in periodically stretched rubber. Polymer, 2019, 171, 173-179.	1.8	11
34	CAD-CAM milled versus pressed lithium-disilicate monolithic crowns adhesively cemented after distinct surface treatments: Fatigue performance and ceramic surface characteristics. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 94, 144-154.	1.5	47
35	Materials from renewable resources: new properties and functions. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20181160.	0.3	4
36	Rubber Surface Change and Static Charging under Periodic Stress. Colloids and Interfaces, 2018, 2, 55.	0.9	8

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37	Fatigue failure load of an adhesively-cemented lithium disilicate glass-ceramic: Conventional ceramic etching vs etch & prime one-step primer. Dental Materials, 2018, 34, 1134-1143.	1.6	37
38	Towards superlubricity in nanostructured surfaces: the role of van der Waals forces. Physical Chemistry Chemical Physics, 2018, 20, 21949-21959.	1.3	11
39	Hydrofluoric acid concentrations: Effect on the cyclic load-to-failure of machined lithium disilicate restorations. Dental Materials, 2018, 34, e255-e263.	1.6	36
40	Chemical Electrostatics. , 2017, , .		17
41	Charge at Interfaces. , 2017, , 39-52.		2
42	Graphite exfoliation in cellulose solutions. Nanoscale, 2017, 9, 10219-10226.	2.8	22
43	Hygroelectricity: The Atmosphere as a Charge Reservoir. , 2017, , 65-90.		2
44	Charge Patterns, Charge Separation. , 2017, , 53-64.		0
45	Friction and Electrostatics. , 2017, , 107-123.		2
46	Tribogenerators. , 2017, , 157-168.		0
47	Electricity on Rubber Surfaces: A New Energy Conversion Effect. ACS Omega, 2017, 2, 8940-8947.	1.6	19
48	Excess Charge in Solids: Electrets. , 2017, , 91-106.		2
49	Charge Carriers Within the Atomic-Molecular Theory. , 2017, , 27-38.		0
50	Electroneutrality: When and Where?. , 2017, , 13-26.		0
51	Where is water in the triboelectric series?. Journal of Electrostatics, 2016, 80, 30-33.	1.0	101
52	On the spontaneous electric-bipolar nature of aerosols formed by mechanical disruption of liquids. Colloids and Interface Science Communications, 2015, 7, 7-11.	2.0	11
53	Electrified Water: Liquid, Vapor and Aerosol. Journal of the Brazilian Chemical Society, 2015, , .	0.6	4
54	Corona charging and potential decay on oxidized polyethylene surfaces. Polymer Degradation and Stability, 2014, 104, 11-17.	2.7	16

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55	Friction, tribochemistry and triboelectricity: recent progress and perspectives. RSC Advances, 2014, 4, 64280-64298.	1.7	119
56	Bipolar Tribocharging Signal During Friction Force Fluctuations at Metalâ€“Insulator Interfaces. Angewandte Chemie - International Edition, 2014, 53, 12101-12105.	7.2	30
57	Friction coefficient dependence on electrostatic tribocharging. Scientific Reports, 2013, 3, 2384.	1.6	86
58	Microscopia de sondas: uma caixa de ferramentas da nanotecnologia. CiÃªncia E Cultura, 2013, 65, 37-43.	0.5	1
59	Tribocharged Polymer Surfaces: Solvent Effect on Pattern Formation and Modification. Chemistry Letters, 2012, 41, 1256-1258.	0.7	5
60	Antiadhesive and Antibacterial Multilayer Films via Layer-by-Layer Assembly of TMC/Heparin Complexes. Biomacromolecules, 2012, 13, 3711-3722.	2.6	86
61	Triboelectricity: Macroscopic Charge Patterns Formed by Self-Arraying Ions on Polymer Surfaces. Langmuir, 2012, 28, 7407-7416.	1.6	139
62	Electric potential decay on polyethylene: Role of atmospheric water on electric charge build-up and dissipation. Journal of Electrostatics, 2011, 69, 401-409.	1.0	90
63	EletrizaÃ§Ã£o de dielÃ©tricos: novas propostas para resolver velhos problemas. Quimica Nova, 2010, 33, 2103-2107.	0.3	0
64	A new mechanism for the electrostatic charge build-up and dissipation in dielectrics. Journal of the Brazilian Chemical Society, 2008, 19, .	0.6	15