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	Triboelectricity: Macroscopic Charge Patterns Formed by Self-Arraying Ions on Polymer Surfaces. Langmuir, 2012, 28, 7407-7416.	1.6	139
2	Friction, tribochemistry and triboelectricity: recent progress and perspectives. RSC Advances, 2014, 4, 64280-64298.	1.7	119
3	Where is water in the triboelectric series?. Journal of Electrostatics, 2016, 80, 30-33.	1.0	101
4	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
5	Antiadhesive and Antibacterial Multilayer Films via Layer-by-Layer Assembly of TMC/Heparin Complexes. Biomacromolecules, 2012, 13, 3711-3722.	2.6	86
6	Friction coefficient dependence on electrostatic tribocharging. Scientific Reports, 2013, 3, 2384.	1.6	86
7	Removal of fluoride from fertilizer industry effluent using carbon nanotubes stabilized in chitosan sponge. Journal of Hazardous Materials, 2020, 388, 122042.	6.5	74
8	Adsorption of phenol onto chitosan hydrogel scaffold modified with carbon nanotubes. Journal of Environmental Chemical Engineering, 2019, 7, 103460.	3.3	64
9	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
10	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
11	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
12	Hydrofluoric acid concentrations: Effect on the cyclic load-to-failure of machined lithium disilicate restorations. Dental Materials, 2018, 34, e255-e263.	1.6	36
13	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
14	Polypyrrole-TiO2 composite for removal of 4-chlorophenol and diclofenac. Reactive and Functional Polymers, 2020, 146, 104401.	2.0	33
15	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
16	Bipolar Tribocharging Signal During Friction Force Fluctuations at Metalâ€“Insulator Interfaces. Angewandte Chemie - International Edition, 2014, 53, 12101-12105.	7.2	30
17	Peripheral tetra-cationic Pt(II) porphyrins photo-inactivating rapidly growing mycobacteria: First application in mycobacteriology. Microbial Pathogenesis, 2020, 148, 104455.	1.3	29
18	Flexible, low-cost and scalable, nanostructured conductive paper-based, efficient hygroelectric generator. Energy and Environmental Science, 2021, 14, 353-358.	15.6	29

#	Article	IF	Citations
19	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
20	Graphite exfoliation in cellulose solutions. Nanoscale, 2017, 9, 10219-10226.	2.8	22
21	Metal center ion effects on photoinactivating rapidly growing mycobacteria using water-soluble tetra-cationic porphyrins. BioMetals, 2020, 33, 269-282.	1.8	21
22	Electricity on Rubber Surfaces: A New Energy Conversion Effect. ACS Omega, 2017, 2, 8940-8947.	1.6	19
23	Chemical Electrostatics. , 2017, , .		17
24	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
25	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
26	Corona charging and potential decay on oxidized polyethylene surfaces. Polymer Degradation and Stability, 2014, 104, 11-17.	2.7	16
27	A new mechanism for the electrostatic charge build-up and dissipation in dielectrics. Journal of the Brazilian Chemical Society, 2008, 19, .	0.6	15
28	Fatigue performance of adhesively luted glass or polycrystalline CAD-CAM monolithic crowns. Journal of Prosthetic Dentistry, 2021, 126, 119-127.	1.1	14
29	Photo-damage promoted by tetra-cationic palladium(II) porphyrins in rapidly growing mycobacteria. Photodiagnosis and Photodynamic Therapy, 2021, 36, 102514.	1.3	12
30	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
31	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
32	Towards superlubricity in nanostructured surfaces: the role of van der Waals forces. Physical Chemistry Chemical Physics, 2018, 20, 21949-21959.	1.3	11
33	Mechanochemical transduction and hygroelectricity in periodically stretched rubber. Polymer, 2019, 171, 173-179.	1.8	11
34	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
35	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
36	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

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37	Multifunctional coatings of exfoliated and reassembled graphite on cellulosic substrates. Faraday Discussions, 2021, 227, 105-124.	1.6	9
38	Rubber Surface Change and Static Charging under Periodic Stress. Colloids and Interfaces, 2018, 2, 55.	0.9	8
39	Conduction and Excess Charge in Silicate Glass/Air Interfaces. Langmuir, 2019, 35, 7703-7712.	1.6	8
40	Spontaneous Mosaics of Charge Formed by Liquid Evaporation. Advanced Materials Interfaces, 2020, 7, 2000884.	1.9	8
41	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
42	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
43	Low-cost elastomer-based flexoelectric devices. Journal of Applied Physics, 2021, 129, .	1.1	7
44	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
45	Tribocharged Polymer Surfaces: Solvent Effect on Pattern Formation and Modification. Chemistry Letters, 2012, 41, 1256-1258.	0.7	5
46	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
47	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
48	Suppressing and controlling electrostatic charge in micropipetting. Journal of Electrostatics, 2020, 106, 103453.	1.0	4
49	Materials from renewable resources: new properties and functions. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20181160.	0.3	4
50	Electrified Water: Liquid, Vapor and Aerosol. Journal of the Brazilian Chemical Society, 2015, , .	0.6	4
51	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
52	Charge at Interfaces. , 2017, , 39-52.		2
53	Hygroelectricity: The Atmosphere as a Charge Reservoir. , 2017, , 65-90.		2
54	Friction and Electrostatics. , 2017, , 107-123.		2

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55	Electromechanical coupling in elastomers: a correlation between electrostatic potential and fatigue failure. Physical Chemistry Chemical Physics, 2021, 23, 26653-26660.	1.3	2
56	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
57	Excess Charge in Solids: Electrets. , 2017, , 91-106.		2
58	Microscopia de sondas: uma caixa de ferramentas da nanotecnologia. CiÃªncia E Cultura, 2013, 65, 37-43.	0.5	1
59	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
60	EletrizaÃ§Ã£o de dielÃ©tricos: novas propostas para resolver velhos problemas. Quimica Nova, 2010, 33, 2103-2107.	0.3	0
61	Charge Patterns, Charge Separation. , 2017, , 53-64.		0
62	Tribogenerators. , 2017, , 157-168.		0
63	Charge Carriers Within the Atomic-Molecular Theory. , 2017, , 27-38.		0
64	Electroneutrality: When and Where?. , 2017, , 13-26.		0