Sandra Carvalho

List of Publications by Year
in descending order

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167 papers	4,377 citations	117625 34 h-index	161849 54 g-index
169 all docs	169 docs citations	169 times ranked	4794 citing authors

#	Article	IF	Citations
1	Evidence-Based Guidelines and Secondary Meta-Analysis for the Use of Transcranial Direct Current Stimulation in Neurological and Psychiatric Disorders. International Journal of Neuropsychopharmacology, 2021, 24, 256-313.	2.1	277
2	Regulatory considerations for the clinical and research use of transcranial direct current stimulation (tDCS): Review and recommendations from an expert panel. Clinical Research and Regulatory Affairs, 2015, 32, 22-35.	2.1	208
3	The Emotional Movie Database (EMDB): A Self-Report and Psychophysiological Study. Applied Psychophysiology Biofeedback, 2012, 37, 279-294.	1.7	151
4	Microstructure and mechanical properties of nanocomposite (Ti,Si,Al)N coatings. Thin Solid Films, 2001, 398-399, 391-396.	1.8	131
5	Physical and thermal properties of a chitosan/alginate nanolayered PET film. Carbohydrate Polymers, 2010, 82, 153-159.	10.2	119
6	Functional properties of ceramic-Ag nanocomposite coatings produced by magnetron sputtering. Progress in Materials Science, 2016, 84, 158-191.	32.8	116
7	Influence of Ag content on mechanical and tribological behavior of DLC coatings. Surface and Coatings Technology, 2013, 232, 440-446.	4.8	98
8	Effects of ion bombardment on properties of d.c. sputtered superhard (Ti, Si, Al)N nanocomposite coatings. Surface and Coatings Technology, 2002, 151-152, 515-520.	4.8	81
9	Task-Specific Effects of tDCS-Induced Cortical Excitability Changes on Cognitive and Motor Sequence Set Shifting Performance. PLoS ONE, 2011, 6, e24140.	2.5	79
10	Motor Cortex Excitability and BDNF Levels in Chronic Musculoskeletal Pain According to Structural Pathology. Frontiers in Human Neuroscience, 2016, 10, 357.	2.0	74
11	Affective picture modulation: Valence, arousal, attention allocation and motivational significance. International Journal of Psychophysiology, 2012, 83, 375-381.	1.0	70
12	Structureâ€“property relations in ZrCN coatings for tribological applications. Surface and Coatings Technology, 2010, 205, 2134-2141.	4.8	65
13	The Effects of Cross-Hemispheric Dorsolateral Prefrontal Cortex Transcranial Direct Current Stimulation (tDCS) on Task Switching. Brain Stimulation, 2013, 6, 660-667.	1.6	65
14	Chemical and structural characterization of ZrCNAg coatings: XPS, XRD and Raman spectroscopy. Applied Surface Science, 2015, 346, 240-247.	6.1	61
15	Microstructure, mechanical properties and cutting performance of superhard (Ti,Si,Al)N nanocomposite films grown by d.c. reactive magnetron sputtering. Surface and Coatings Technology, 2004, 177-178, 459-468.	4.8	58
16	Anodal transcranial direct current stimulation over the left dorsolateral prefrontal cortex modulates attention and pain in fibromyalgia: randomized clinical trial. Scientific Reports, 2017, 7, 135.	3.3	56
17	Reviewing working memory training gains in healthy older adults: A meta-analytic review of transfer for cognitive outcomes. Neuroscience and Biobehavioral Reviews, 2019, 103, 163-177.	6.1	56
18	Ag⁺release inhibition from ZrCNâ€“Ag coatings by surface agglomeration mechanism: structural characterization. Journal Physics D: Applied Physics, 2013, 46, 325303.	2.8	55

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19	Antibacterial Ag/a-C nanocomposite coatings: The influence of nano-galvanic a-C and Ag couples on Ag ionization rates. Applied Surface Science, 2016, 377, 283-291.	6.1	55
20	PVD grown (Ti,Si,Al)N nanocomposite coatings and (Ti,Al)N/(Ti,Si)N multilayers: structural and mechanical properties. Surface and Coatings Technology, 2003, 172, 109-116.	4.8	52
21	Microstructure of (Ti,Si,Al)N nanocomposite coatings. Surface and Coatings Technology, 2004, 177-178, 369-375.	4.8	52
22	Hemispheric dorsolateral prefrontal cortex lateralization in the regulation of empathy for pain. Neuroscience Letters, 2015, 594, 12-16.	2.1	51
23	Influence of silver content on the tribomechanical behavior on Ag-TiCN bioactive coatings. Surface and Coatings Technology, 2012, 206, 2192-2198.	4.8	46
24	Elastic properties of (Ti,Al,Si)N nanocomposite films. Surface and Coatings Technology, 2001, 142-144, 110-116.	4.8	45
25	Magnetron sputtered Tiâ€“Siâ€“C thin films prepared at low temperatures. Surface and Coatings Technology, 2007, 201, 7180-7186.	4.8	43
26	Agâ€“Ti(C, N)-based coatings for biomedical applications: influence of silver content on the structural properties. Journal Physics D: Applied Physics, 2011, 44, 375501.	2.8	42
27	Properties of Electrospun TiO₂Nanofibers. Journal of Nanotechnology, 2014, 2014, 1-5.	3.4	42
28	Influence of design parameters on the mechanical behavior and porosity of braided fibrous stents. Materials and Design, 2015, 86, 237-247.	7.0	42
29	Silver surface segregation in Ag-DLC nanocomposite coatings. Surface and Coatings Technology, 2015, 267, 90-97.	4.8	42
30	Water and oil wettability of anodized 6016 aluminum alloy surface. Applied Surface Science, 2017, 422, 430-442.	6.1	42
31	Mind Wandering and Task-Focused Attention: ERP Correlates. Scientific Reports, 2018, 8, 7608.	3.3	40
32	Silver activation on thin films of Agâ€“ZrCN coatings for antimicrobial activity. Materials Science and Engineering C, 2015, 55, 547-555.	7.3	38
33	Transcranial Direct Current Stimulation Based Metaplasticity Protocols in Working Memory. Brain Stimulation, 2015, 8, 289-294.	1.6	38
34	Cognitive and emotional impairments in obsessiveâ€“compulsive disorder: Evidence from functional brain alterations. Porto Biomedical Journal, 2016, 1, 92-105.	1.0	37
35	Characterization of hard DC-sputtered Si-based TiN coatings: the effect of composition and ion bombardment. Surface and Coatings Technology, 2004, 188-189, 351-357.	4.8	36
36	Structural evolution of Tiâ€“Alâ€“Siâ€“N nanocomposite coatings. Vacuum, 2009, 83, 1206-1212.	3.5	36

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37	Young's modulus of (Ti,Si)N films by surface acoustic waves and indentation techniques. Thin Solid Films, 2002, 408, 160-168.	1.8	35
38	Cognitive effects and autonomic responses to transcranial pulsed current stimulation. Experimental Brain Research, 2015, 233, 701-709.	1.5	35
39	Surface EEG-Transcranial Direct Current Stimulation (tDCS) Closed-Loop System. International Journal of Neural Systems, 2017, 27, 1750026.	5.2	35
40	Patterns of Default Mode Network Deactivation in Obsessive Compulsive Disorder. Scientific Reports, 2017, 7, 44468.	3.3	33
41	XRD and FTIR analysis of Tiâ€“Siâ€“Câ€“ON coatings for biomedical applications. Surface and Coatings Technology, 2008, 203, 490-494.	4.8	31
42	Structural and electrochemical characterization of Zrâ€“Câ€“Nâ€“Ag coatings deposited by DC dual magnetron sputtering. Corrosion Science, 2014, 80, 229-236.	6.6	31
43	Tribological solutions for engine piston ring surfaces: an overview on the materials and manufacturing. Materials and Manufacturing Processes, 2020, 35, 498-520.	4.7	31
44	Obsessive Compulsive Disorder as a functional interhemispheric imbalance at the thalamic level. Medical Hypotheses, 2011, 77, 445-447.	1.5	29
45	Porous tantalum oxide with osteoconductive elements and antibacterial core-shell nanoparticles: A new generation of materials for dental implants. Materials Science and Engineering C, 2021, 120, 111761.	7.3	29
46	How is COVID-19 affecting patients with obsessiveâ€“compulsive disorder? A longitudinal study on the initial phase of the pandemic in a Spanish cohort. European Psychiatry, 2021, 64, e45.	0.2	29
47	Improving the visible transmittance of low-e titanium nitride based coatings for solar thermal applications. Applied Surface Science, 2011, 258, 1784-1788.	6.1	28
48	Sustained Effects of a Neural-based Intervention in a Refractory Case of Tourette Syndrome. Brain Stimulation, 2015, 8, 657-659.	1.6	28
49	Influence of oxygen content on the antibacterial effect of Ag-O coatings deposited by magnetron sputtering. Surface and Coatings Technology, 2016, 305, 1-10.	4.8	28
50	Structural stability of decorative ZrNxOy thin films. Surface and Coatings Technology, 2005, 200, 748-752.	4.8	27
51	Influence of surface features on the adhesion of Staphylococcus epidermidis to Agâ€“TiCN thin films. Science and Technology of Advanced Materials, 2013, 14, 035009.	6.1	27
52	Influence of albumin on the tribological behavior of Agâ€“Ti (C, N) thin films for orthopedic implants. Materials Science and Engineering C, 2014, 34, 22-28.	7.3	27
53	Morphology and oxygen incorporation effect on antimicrobial activity of silver thin films. Applied Surface Science, 2016, 371, 1-8.	6.1	26
54	Noninvasive brain stimulation for addiction medicine. Progress in Brain Research, 2016, 224, 371-399.	1.4	26

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55	Surface engineering of nanostructured Ta surface with incorporation of osteoconductive elements by anodization. Applied Surface Science, 2019, 495, 143573.	6.1	26
56	Development of stacked porous tantalum oxide layers by anodization. Applied Surface Science, 2020, 511, 145542.	6.1	26
57	Zinc nanostructures for oxygen scavenging. Nanoscale, 2017, 9, 5254-5262.	5.6	25
58	Delayed pain decrease following M1 tDCS in spinal cord injury: A randomized controlled clinical trial. Neuroscience Letters, 2017, 658, 19-26.	2.1	25
59	In-service behaviour of (Ti,Si,Al)Nx nanocomposite films. Wear, 2012, 274-275, 68-74.	3.1	24
60	Bioactivity response of Ta 1-x O x coatings deposited by reactive DC magnetron sputtering. Materials Science and Engineering C, 2016, 58, 110-118.	7.3	24
61	The differential effects of unihemispheric and bihemispheric tDCS over the inferior frontal gyrus on proactive control. Neuroscience Research, 2018, 130, 39-46.	1.9	24
62	TiSiN(Ag) films deposited by HiPIMS working in DOMS mode: Effect of Ag content on structure, mechanical properties and thermal stability. Applied Surface Science, 2019, 478, 426-434.	6.1	24
63	Duration Dependent Effects of Transcranial Pulsed Current Stimulation (tPCS) Indexed by Electroencephalography. Neuromodulation, 2016, 19, 679-688.	0.8	23
64	Properties of MoNxOy thin films as a function of the N/O ratio. Thin Solid Films, 2006, 494, 201-206.	1.8	22
65	Advanced surface characterization of silver nanocluster segregation in Agâ€“TiCN bioactive coatings by RBS, GDOES, and ARXPS. Analytical and Bioanalytical Chemistry, 2013, 405, 6259-6269.	3.7	22
66	PVD-grown antibacterial Ag-TiN films on piezoelectric PVDF substrates for sensor applications. Surface and Coatings Technology, 2015, 281, 117-124.	4.8	22
67	Nano-galvanic coupling for enhanced Ag+ release in ZrCN-Ag films: Antibacterial application. Surface and Coatings Technology, 2016, 298, 1-6.	4.8	22
68	Evaluation of cell activation promoted by tantalum and tantalum oxide coatings deposited by reactive DC magnetron sputtering. Surface and Coatings Technology, 2017, 330, 260-269.	4.8	22
69	Influence of silicon on the microstructure and the chemical properties of nanostructured ZrN-Si coatings deposited by means of pulsed-DC reactive magnetron sputtering. Applied Surface Science, 2019, 481, 1249-1259.	6.1	22
70	Effects of the morphology and structure on the elastic behavior of (Ti,Si,Al)N nanocomposites. Surface and Coatings Technology, 2003, 174-175, 984-991.	4.8	21
71	ab-initio Study of the properties of Ti1â^'xâ^'ySixAlyN solid solution. Vacuum, 2009, 83, 1240-1243.	3.5	21
72	Ag+ release and corrosion behavior of zirconium carbonitride coatings with silver nanoparticles for biomedical devices. Surface and Coatings Technology, 2013, 222, 104-111.	4.8	21

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73	Study of the effect of the silver content on the structural and mechanical behavior of Agâ€“ZrCN coatings for orthopedic prostheses. Materials Science and Engineering C, 2014, 42, 782-790.	7.3	21
74	Electrochemical Corrosion of Nano-Structured Magnetron-Sputtered Coatings. Coatings, 2019, 9, 682.	2.6	21
75	Machining performance of TiSiN(Ag) coated tools during dry turning of TiAl6V4 aerospace alloy. Ceramics International, 2021, 47, 11799-11806.	4.8	21
76	Neural signature of tDCS, tPCS and their combination: Comparing the effects on neural plasticity. Neuroscience Letters, 2017, 637, 207-214.	2.1	20
77	Antibacterial Effects of Bimetallic Clusters Incorporated in Amorphous Carbon for Stent Application. ACS Applied Materials & Interfaces, 2020, 12, 24555-24563.	8.0	20
78	High temperature tribological behaviour of TiSiN(Ag) films deposited by HiPIMS in DOMS mode. Surface and Coatings Technology, 2020, 399, 126176.	4.8	19
79	Production and Characterization of Ag Nanoclusters Produced by Plasma Gas Condensation. Plasma Processes and Polymers, 2014, 11, 629-638.	3.0	18
80	The impact of photocatalytic Ag/TiO2 and Ag/N-TiO2 nanoparticles on human keratinocytes and epithelial lung cells. Toxicology, 2019, 416, 30-43.	4.2	16
81	The effects of direct current stimulation and random noise stimulation on attention networks. Scientific Reports, 2021, 11, 6201.	3.3	16
82	Psychophysiological Correlates of Sexually and Non-Sexually Motivated Attention to Film Clips in a Workload Task. PLoS ONE, 2011, 6, e29530.	2.5	15
83	Brain activation of the defensive and appetitive survival systems in obsessive compulsive disorder. Brain Imaging and Behavior, 2015, 9, 255-263.	2.1	15
84	Fluorine-carbon doping of WS-based coatings deposited by reactive magnetron sputtering for low friction purposes. Applied Surface Science, 2018, 445, 575-585.	6.1	15
85	Neuromodulating Attention and Mind-Wandering Processes with a Single Session Real Time EEG. Applied Psychophysiology Biofeedback, 2018, 43, 143-151.	1.7	15
86	Oxidation behaviour of TiSiN(Ag) films deposited by high power impulse magnetron sputtering. Thin Solid Films, 2019, 688, 137423.	1.8	15
87	Ag release from sputtered Ag/a:C nanocomposite films after immersion in pure water and NaCl solution. Thin Solid Films, 2019, 671, 85-94.	1.8	15
88	The Acute Impact of the Early Stages of COVID-19 Pandemic in People with Pre-Existing Psychiatric Disorders: A Systematic Review. International Journal of Environmental Research and Public Health, 2022, 19, 5140.	2.6	15
89	Behavioral effects of transcranial pulsed current stimulation (tPCS): Speed-accuracy tradeoff in attention switching task. Neuroscience Research, 2016, 109, 48-53.	1.9	14
90	Effect of the microstructure on the cutting performance of superhard (Ti,Si,Al)N nanocomposite films. Vacuum, 2008, 82, 1470-1474.	3.5	13

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91	Surface characterization of Ti-Si-C-ON coatings for orthopedic devices: XPS and Raman spectroscopy. Solid State Sciences, 2011, 13, 95-100.	3.2	13
92	Ti1â^'xAgx electrodes deposited on polymer based sensors. Applied Surface Science, 2014, 317, 490-495.	6.1	13
93	Electrochemical response of ZrCN-Ag-a(C,N) coatings in simulated body fluids. Electrochimica Acta, 2015, 176, 898-906.	5.2	13
94	Ex-vivo studies on friction behaviour of ureteral stent coated with Ag clusters incorporated in a:C matrix. Diamond and Related Materials, 2018, 86, 1-7.	3.9	13
95	REACH regulation challenge: Development of alternative coatings to hexavalent chromium for minting applications. Surface and Coatings Technology, 2021, 418, 127271.	4.8	13
96	Improving Tribological Properties of Cast Al-Si Alloys through Application of Wear-Resistant Thermal Spray Coatings. Journal of Thermal Spray Technology, 2013, 22, 491-501.	3.1	12
97	Inferior frontal gyrus white matter abnormalities in obsessiveâ€"compulsive disorder. NeuroReport, 2015, 26, 495-500.	1.2	12
98	Cr-Based Sputtered Decorative Coatings for Automotive Industry. Materials, 2021, 14, 5527.	2.9	12
99	Modulation of the cognitive event-related potential P3 by transcranial direct current stimulation: Systematic review and meta-analysis. Neuroscience and Biobehavioral Reviews, 2022, 132, 894-907.	6.1	12
100	Influence of the surface morphology and microstructure on the biological properties of Tiâ€"Siâ€"Câ€"Nâ€"O coatings. Thin Solid Films, 2010, 518, 5694-5699.	1.8	11
101	Cohesive strength of nanocrystalline ZnO:Ga thin films deposited at room temperature. Nanoscale Research Letters, 2011, 6, 309.	5.7	11
102	Prediction of optimized composition for enhanced mechanical and electrochemical response of Zr-C-N-Ag coatings for medical devices. Applied Surface Science, 2014, 320, 570-580.	6.1	11
103	Influence of Oxygen content on the electrochemical behavior of Ta1-xOx coatings. Electrochimica Acta, 2016, 211, 385-394.	5.2	11
104	Properties of CrN thin films deposited in plasma-activated ABS by reactive magnetron sputtering. Surface and Coatings Technology, 2018, 349, 858-866.	4.8	11
105	Polarity Specific Effects of Cross-Hemispheric tDCS Coupled With Approach-Avoidance Training on Chocolate Craving. Frontiers in Pharmacology, 2018, 9, 1500.	3.5	11
106	Probing the relationship between late endogenous ERP components with fluid intelligence in healthy older adults. Scientific Reports, 2020, 10, 11167.	3.3	11
107	Cu oxidation mechanism on Cu-Zr(O)N coatings: Role on functional properties. Applied Surface Science, 2021, 555, 149704.	6.1	11
108	MC3T3-E1 Cell Response to Ti_{1â€"x}Ag_x and Ag-TiN_x Electrodes Deposited on Piezoelectric Poly(vinylidene fluoride) Substrates for Sensor Applications. ACS Applied Materials & Interfaces, 2016, 8, 4199-4207.	8.0	10

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109	Editorial: The Role of Primary Motor Cortex as a Marker and Modulator of Pain Control and Emotional-Affective Processing. Frontiers in Human Neuroscience, 2017, 11, 270.	2.0	10
110	MC3T3-E1 cell response to microporous tantalum oxide surfaces enriched with Ca, P and Mg. Materials Science and Engineering C, 2021, 124, 112008.	7.3	10
111	Influence of a DLC coating topography in the piston ring/cylinder liner tribological performance. Journal of Manufacturing Processes, 2021, 66, 483-493.	5.9	10
112	Alterations of gray and white matter morphology in obsessive compulsive disorder. Psicothema, 2017, 29, 35-42.	0.9	10
113	Study and characterization of the crest module design: A 3D finite element analysis. Journal of Prosthetic Dentistry, 2015, 113, 541-547.	2.8	9
114	Mind wandering and the attention network system. Acta Psychologica, 2017, 172, 49-54.	1.5	9
115	Carbon-based sputtered coatings for enhanced chitosan-based films properties. Applied Surface Science, 2018, 433, 689-695.	6.1	9
116	The wettability and tribological behaviour of thin F-doped WS2 films deposited by magnetron sputtering. Surface and Coatings Technology, 2019, 378, 125033.	4.8	9
117	Longitudinal Clinical Trial Recruitment and Retention Challenges in the Burn Population: Lessons Learned From a Trial Examining a Novel Intervention for Chronic Neuropathic Symptoms. Journal of Burn Care and Research, 2019, 40, 792-795.	0.4	9
118	Transcranial Direct Current Stimulation as an Add-on Treatment to Cognitive-Behavior Therapy in First Episode Drug-NaÃ¯ve Major Depression Patients: The ESAP Study Protocol. Frontiers in Psychiatry, 2020, 11, 563058.	2.6	9
119	Surface functionalization of 3D printed structures: Aesthetic and antibiofouling properties. Surface and Coatings Technology, 2020, 386, 125464.	4.8	9
120	Overview on the Antimicrobial Activity and Biocompatibility of Sputtered Carbon-Based Coatings. Processes, 2021, 9, 1428.	2.8	9
121	Wetting and corrosion properties of CuxOy films deposited by magnetron sputtering for maritime applications. Applied Surface Science, 2022, 584, 152582.	6.1	9
122	Working Memory Training Coupled With Transcranial Direct Current Stimulation in Older Adults: A Randomized Controlled Experiment. Frontiers in Aging Neuroscience, 2022, 14, 827188.	3.4	9
123	Structural and Mechanical properties of Tiâ€“Siâ€“Câ€“ON for biomedical applications. Surface and Coatings Technology, 2008, 202, 2403-2407.	4.8	8
124	Study adherence in a tDCS longitudinal clinical trial with people with spinal cord injury. Spinal Cord, 2018, 56, 502-508.	1.9	8
125	Median nerve stimulation induced motor learning in healthy adults: A study of timing of stimulation and type of learning. European Journal of Neuroscience, 2018, 48, 1667-1679.	2.6	8
126	Role of Au incorporation in the electrochemical behavior of Ag/a:C nanocomposite coatings. Surface and Coatings Technology, 2020, 401, 126240.	4.8	8

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127	Facilitative effects of bi-hemispheric tDCS in cognitive deficits of Parkinson disease patients. Medical Hypotheses, 2014, 82, 138-140.	1.5	7
128	Electrochemical vs antibacterial characterization of ZrCNâ€“Ag coatings. Surface and Coatings Technology, 2015, 275, 357-362.	4.8	7
129	Biotribological behavior of Agâ€“ZrCxN1â^'x coatings against UHMWPE for joint prostheses devices. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 41, 83-91.	3.1	7
130	Nanoporous thin films obtained by oblique angle deposition of aluminum on porous surfaces. Surface and Coatings Technology, 2018, 347, 350-357.	4.8	7
131	Galvanic oxidation of bimetallic Zn-Fe nanoparticles for oxygen scavenging. Applied Surface Science, 2021, 537, 147896.	6.1	7
132	Tribological performance of hybrid surfaces: dimple-shaped anodized Al alloy surfaces coated with WS-CF sputtered thin films. International Journal of Advanced Manufacturing Technology, 2020, 107, 3931-3941.	3.0	7
133	Mind wandering: Tracking perceptual decoupling, mental improvisation, and mental navigation.. Psychology and Neuroscience, 2020, 13, 493-502.	0.8	7
134	Carbon-Based Coatings in Medical Textiles Surface Functionalisation: An Overview. Processes, 2021, 9, 1997.	2.8	7
135	Thermal Characterization of Hard Decorative Thin Films. Plasma Processes and Polymers, 2007, 4, S190-S194.	3.0	6
136	Influence of hydrogen incorporation and coating thickness on the corrosion resistance of carbon based coatings deposited by magnetron sputtering. Surface and Coatings Technology, 2015, 275, 127-132.	4.8	6
137	Characterization of surface Ag nanoparticles in nanocomposite a-C:Ag coatings by grazing incidence X-ray diffraction at sub-critical angles of incidence. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	6
138	Influence of magnetron sputtering conditions on the chemical bonding, structural, morphological and optical behavior of Ta1â^'xOx coatings. Surface and Coatings Technology, 2018, 334, 105-115.	4.8	6
139	Is the relationship between mind wandering and attention culture-specific?. Psychology and Neuroscience, 2017, 10, 132-143.	0.8	6
140	Aging Effect on Functionalized Silver-Based Nanocoating Braided Coronary Stents. Coatings, 2020, 10, 1234.	2.6	5
141	Silver oxide coatings deposited on leathers to prevent diabetic foot infections. Surface and Coatings Technology, 2022, 442, 128338.	4.8	5
142	Ag-TiNx electrodes deposited on piezoelectric poly(vinylidene fluoride) for biomedical sensor applications. Sensors and Actuators A: Physical, 2015, 234, 1-8.	4.1	4
143	Transcranial Alternating Current Stimulation and Transcranial Random Noise Stimulation. , 2018, , 1611-1617.		4
144	Transcranial Electrical Stimulation (tES) for the Treatment of Neuropsychiatric Disorders Across Lifespan. European Psychologist, 2016, 21, 78-95.	3.1	4

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145	Modification of Steel Surfaces with Nanometer Films of Al₂O₃ and TiO₂ Decreases Interfacial Adhesion to Polymers: Implications for Demolding Shape-Engineered Polymer Products. ACS Applied Nano Materials, 2021, 4, 10018-10028.	5.0	4
146	Viability Study of Machine Learning-Based Prediction of COVID-19 Pandemic Impact in Obsessive-Compulsive Disorder Patients. Frontiers in Neuroinformatics, 2022, 16, 807584.	2.5	4
147	Synergetic effect of thickness and oxygen addition on the electrochemical behaviour of tantalum oxide coatings deposited by HiPIMS in DOMS mode. Electrochimica Acta, 2022, 423, 140497.	5.2	4
148	The psychological impact of the COVID-19 pandemic in Portugal: The role of personality traits and emotion regulation strategies. PLoS ONE, 2022, 17, e0269496.	2.5	4
149	Influence of culture media on the physical and chemical properties of Agâ€“TiCN coatings. Journal Physics D: Applied Physics, 2014, 47, 335401.	2.8	3
150	Feasibility of remotely-supervised tDCS in a person with neuropathic pain due to spinal cord injury. Journal of Spinal Cord Medicine, 2018, 41, 547-548.	1.4	3
151	Zn-Fe Flower-like nanoparticles growth by gas condensation. Materials Letters, 2021, 297, 129916.	2.6	3
152	Antimicrobial TiN-Ag Coatings in Leather Insole for Diabetic Foot. Materials, 2022, 15, 2009.	2.9	3
153	Structural Development in Hard Si-Based TiN Coatings as a Function of Temperature: A Comprehensive Study in Vacuum and in Air. Materials Science Forum, 2002, 383, 151-160.	0.3	2
154	Strain analysis on Ti1â^'xAgx and Agâ€“TiNx electrodes deposited on polymer based sensors. Thin Solid Films, 2016, 604, 55-62.	1.8	2
155	Tribological testing of leather surface coated with sputter-deposited Ti-Ag-O films. Tribology International, 2019, 137, 59-65.	5.9	2
156	A New Tribometer for the Automotive Industry: Development and Experimental Validation. Experimental Mechanics, 2022, 62, 483-492.	2.0	2
157	Executive impairments in Obsessive Compulsive Disorder: A systematic review with emotional and non-emotional paradigms. Psicothema, 2020, 32, 24-32.	0.9	2
158	Transcranial Magnetic Stimulation. , 2018, , 1577-1587.		1
159	An experimental and theoretical study on the crystal structure and elastic properties of Ta1â^'xOx coatings. Surface and Coatings Technology, 2019, 364, 289-297.	4.8	1
160	Development of Nanocomposite Coating by Hybrid Gas Condensation Process and Magnetron Sputtering Equipment: Electrochemical Characteristics and Surface Analysis. Journal of Materials Engineering and Performance, 2021, 30, 4083-4093.	2.5	1
161	Development of braided fiber-based stents. Studies in Health Technology and Informatics, 2014, 207, 135-44.	0.3	1
162	Mechanical and Adhesion Behaviours of Superhard (Ti,Si,Al)N Nanocomposite Films Grown by Reactive Magnetron Sputtering. Key Engineering Materials, 2002, 230-232, 185-188.	0.4	0

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163	Biological Properties of Ti-Si-C-O-N Thin Films. Journal of Nano Research, 2009, 6, 99-114.	0.8	0
164	A psicologia como neurociÃªncia cognitiva: ImplicaÃ§Ãµes para a compreensÃ£o dos processos bÃ¡sicos e suas aplicaÃ§Ãµes. Analise Psicologica, 2014, 32, 3-25.	0.2	0
165	Assessing potential neurophysiological signatures of chronic corneal pain and its modulation through non-invasive brain stimulation: A commentary. Principles and Practice of Clinical Research Journal, 2015, 1, 14-19.	0.1	0
166	Zn and Zn-Fe Nanostructures with Multifunctional Properties as Components for Food Packaging Materials. Nanomaterials, 2022, 12, 2104.	4.1	0
167	Speed of Processing (SoP) Training Plus Î±-tACS in People With Mild Cognitive Impairment: A Double Blind, Parallel, Placebo Controlled Trial Study Protocol. Frontiers in Aging Neuroscience, 0, 14, .	3.4	0