

Sandra Carvalho

List of Publications by Year in descending order

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Version: 2024-02-01

167
papers

4,377
citations

117625

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54
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169
all docs

169
docs citations

169
times ranked

4794
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Modulation of the cognitive event-related potential P3 by transcranial direct current stimulation: Systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 132, 894-907. | 6.1 | 12 |
| 2 | A New Tribometer for the Automotive Industry: Development and Experimental Validation. <i>Experimental Mechanics</i> , 2022, 62, 483-492. | 2.0 | 2 |
| 3 | Wetting and corrosion properties of Cu _x O _y films deposited by magnetron sputtering for maritime applications. <i>Applied Surface Science</i> , 2022, 584, 152582. | 6.1 | 9 |
| 4 | Viability Study of Machine Learning-Based Prediction of COVID-19 Pandemic Impact in Obsessive-Compulsive Disorder Patients. <i>Frontiers in Neuroinformatics</i> , 2022, 16, 807584. | 2.5 | 4 |
| 5 | Antimicrobial TiN-Ag Coatings in Leather Insole for Diabetic Foot. <i>Materials</i> , 2022, 15, 2009. | 2.9 | 3 |
| 6 | Silver oxide coatings deposited on leathers to prevent diabetic foot infections. <i>Surface and Coatings Technology</i> , 2022, 442, 128338. | 4.8 | 5 |
| 7 | Working Memory Training Coupled With Transcranial Direct Current Stimulation in Older Adults: A Randomized Controlled Experiment. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 827188. | 3.4 | 9 |
| 8 | The Acute Impact of the Early Stages of COVID-19 Pandemic in People with Pre-Existing Psychiatric Disorders: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5140. | 2.6 | 15 |
| 9 | Synergetic effect of thickness and oxygen addition on the electrochemical behaviour of tantalum oxide coatings deposited by HiPIMS in DOMS mode. <i>Electrochimica Acta</i> , 2022, 423, 140497. | 5.2 | 4 |
| 10 | Zn and Zn-Fe Nanostructures with Multifunctional Properties as Components for Food Packaging Materials. <i>Nanomaterials</i> , 2022, 12, 2104. | 4.1 | 0 |
| 11 | The psychological impact of the COVID-19 pandemic in Portugal: The role of personality traits and emotion regulation strategies. <i>PLoS ONE</i> , 2022, 17, e0269496. | 2.5 | 4 |
| 12 | Galvanic oxidation of bimetallic Zn-Fe nanoparticles for oxygen scavenging. <i>Applied Surface Science</i> , 2021, 537, 147896. | 6.1 | 7 |
| 13 | Evidence-Based Guidelines and Secondary Meta-Analysis for the Use of Transcranial Direct Current Stimulation in Neurological and Psychiatric Disorders. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 256-313. | 2.1 | 277 |
| 14 | Porous tantalum oxide with osteoconductive elements and antibacterial core-shell nanoparticles: A new generation of materials for dental implants. <i>Materials Science and Engineering C</i> , 2021, 120, 111761. | 7.3 | 29 |
| 15 | How is COVID-19 affecting patients with obsessive-compulsive disorder? A longitudinal study on the initial phase of the pandemic in a Spanish cohort. <i>European Psychiatry</i> , 2021, 64, e45. | 0.2 | 29 |
| 16 | The effects of direct current stimulation and random noise stimulation on attention networks. <i>Scientific Reports</i> , 2021, 11, 6201. | 3.3 | 16 |
| 17 | Machining performance of TiSiN(Ag) coated tools during dry turning of TiAl6V4 aerospace alloy. <i>Ceramics International</i> , 2021, 47, 11799-11806. | 4.8 | 21 |
| 18 | MC3T3-E1 cell response to microporous tantalum oxide surfaces enriched with Ca, P and Mg. <i>Materials Science and Engineering C</i> , 2021, 124, 112008. | 7.3 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Development of Nanocomposite Coating by Hybrid Gas Condensation Process and Magnetron Sputtering Equipment: Electrochemical Characteristics and Surface Analysis. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4083-4093. | 2.5 | 1 |
| 20 | Influence of a DLC coating topography in the piston ring/cylinder liner tribological performance. <i>Journal of Manufacturing Processes</i> , 2021, 66, 483-493. | 5.9 | 10 |
| 21 | REACH regulation challenge: Development of alternative coatings to hexavalent chromium for minting applications. <i>Surface and Coatings Technology</i> , 2021, 418, 127271. | 4.8 | 13 |
| 22 | Cu oxidation mechanism on Cu-Zr(O)N coatings: Role on functional properties. <i>Applied Surface Science</i> , 2021, 555, 149704. | 6.1 | 11 |
| 23 | Zn-Fe Flower-like nanoparticles growth by gas condensation. <i>Materials Letters</i> , 2021, 297, 129916. | 2.6 | 3 |
| 24 | Overview on the Antimicrobial Activity and Biocompatibility of Sputtered Carbon-Based Coatings. <i>Processes</i> , 2021, 9, 1428. | 2.8 | 9 |
| 25 | Cr-Based Sputtered Decorative Coatings for Automotive Industry. <i>Materials</i> , 2021, 14, 5527. | 2.9 | 12 |
| 26 | Modification of Steel Surfaces with Nanometer Films of Al ₂ O ₃ and TiO ₂ Decreases Interfacial Adhesion to Polymers: Implications for Demolding Shape-Engineered Polymer Products. <i>ACS Applied Nano Materials</i> , 2021, 4, 10018-10028. | 5.0 | 4 |
| 27 | Carbon-Based Coatings in Medical Textiles Surface Functionalisation: An Overview. <i>Processes</i> , 2021, 9, 1997. | 2.8 | 7 |
| 28 | Tribological solutions for engine piston ring surfaces: an overview on the materials and manufacturing. <i>Materials and Manufacturing Processes</i> , 2020, 35, 498-520. | 4.7 | 31 |
| 29 | High temperature tribological behaviour of TiSiN(Ag) films deposited by HiPIMS in DOMS mode. <i>Surface and Coatings Technology</i> , 2020, 399, 126176. | 4.8 | 19 |
| 30 | Role of Au incorporation in the electrochemical behavior of Ag/a:C nanocomposite coatings. <i>Surface and Coatings Technology</i> , 2020, 401, 126240. | 4.8 | 8 |
| 31 | Aging Effect on Functionalized Silver-Based Nanocoating Braided Coronary Stents. <i>Coatings</i> , 2020, 10, 1234. | 2.6 | 5 |
| 32 | Transcranial Direct Current Stimulation as an Add-on Treatment to Cognitive-Behavior Therapy in First Episode Drug-Naïve Major Depression Patients: The ESAP Study Protocol. <i>Frontiers in Psychiatry</i> , 2020, 11, 563058. | 2.6 | 9 |
| 33 | Antibacterial Effects of Bimetallic Clusters Incorporated in Amorphous Carbon for Stent Application. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24555-24563. | 8.0 | 20 |
| 34 | Probing the relationship between late endogenous ERP components with fluid intelligence in healthy older adults. <i>Scientific Reports</i> , 2020, 10, 11167. | 3.3 | 11 |
| 35 | Development of stacked porous tantalum oxide layers by anodization. <i>Applied Surface Science</i> , 2020, 511, 145542. | 6.1 | 26 |
| 36 | Surface functionalization of 3D printed structures: Aesthetic and antibiofouling properties. <i>Surface and Coatings Technology</i> , 2020, 386, 125464. | 4.8 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Tribological performance of hybrid surfaces: dimple-shaped anodized Al alloy surfaces coated with WS-CF sputtered thin films. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 3931-3941. | 3.0 | 7 |
| 38 | Mind wandering: Tracking perceptual decoupling, mental improvisation, and mental navigation.. <i>Psychology and Neuroscience</i> , 2020, 13, 493-502. | 0.8 | 7 |
| 39 | Executive impairments in Obsessive Compulsive Disorder: A systematic review with emotional and non-emotional paradigms. <i>Psicothema</i> , 2020, 32, 24-32. | 0.9 | 2 |
| 40 | Surface engineering of nanostructured Ta surface with incorporation of osteoconductive elements by anodization. <i>Applied Surface Science</i> , 2019, 495, 143573. | 6.1 | 26 |
| 41 | Oxidation behaviour of TiSiN(Ag) films deposited by high power impulse magnetron sputtering. <i>Thin Solid Films</i> , 2019, 688, 137423. | 1.8 | 15 |
| 42 | The wettability and tribological behaviour of thin F-doped WS ₂ films deposited by magnetron sputtering. <i>Surface and Coatings Technology</i> , 2019, 378, 125033. | 4.8 | 9 |
| 43 | Electrochemical Corrosion of Nano-Structured Magnetron-Sputtered Coatings. <i>Coatings</i> , 2019, 9, 682. | 2.6 | 21 |
| 44 | The impact of photocatalytic Ag/TiO ₂ and Ag/N-TiO ₂ nanoparticles on human keratinocytes and epithelial lung cells. <i>Toxicology</i> , 2019, 416, 30-43. | 4.2 | 16 |
| 45 | TiSiN(Ag) films deposited by HiPIMS working in DOMS mode: Effect of Ag content on structure, mechanical properties and thermal stability. <i>Applied Surface Science</i> , 2019, 478, 426-434. | 6.1 | 24 |
| 46 | Longitudinal Clinical Trial Recruitment and Retention Challenges in the Burn Population: Lessons Learned From a Trial Examining a Novel Intervention for Chronic Neuropathic Symptoms. <i>Journal of Burn Care and Research</i> , 2019, 40, 792-795. | 0.4 | 9 |
| 47 | Reviewing working memory training gains in healthy older adults: A meta-analytic review of transfer for cognitive outcomes. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 103, 163-177. | 6.1 | 56 |
| 48 | Tribological testing of leather surface coated with sputter-deposited Ti-Ag-O films. <i>Tribology International</i> , 2019, 137, 59-65. | 5.9 | 2 |
| 49 | Influence of silicon on the microstructure and the chemical properties of nanostructured ZrN-Si coatings deposited by means of pulsed-DC reactive magnetron sputtering. <i>Applied Surface Science</i> , 2019, 481, 1249-1259. | 6.1 | 22 |
| 50 | An experimental and theoretical study on the crystal structure and elastic properties of Ta _{1-x} O _x coatings. <i>Surface and Coatings Technology</i> , 2019, 364, 289-297. | 4.8 | 1 |
| 51 | Ag release from sputtered Ag/a:C nanocomposite films after immersion in pure water and NaCl solution. <i>Thin Solid Films</i> , 2019, 671, 85-94. | 1.8 | 15 |
| 52 | Feasibility of remotely-supervised tDCS in a person with neuropathic pain due to spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2018, 41, 547-548. | 1.4 | 3 |
| 53 | Fluorine-carbon doping of WS-based coatings deposited by reactive magnetron sputtering for low friction purposes. <i>Applied Surface Science</i> , 2018, 445, 575-585. | 6.1 | 15 |
| 54 | Carbon-based sputtered coatings for enhanced chitosan-based films properties. <i>Applied Surface Science</i> , 2018, 433, 689-695. | 6.1 | 9 |

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| 55 | The differential effects of unihemispheric and bihemispheric tDCS over the inferior frontal gyrus on proactive control. <i>Neuroscience Research</i> , 2018, 130, 39-46. | 1.9 | 24 |
| 56 | Study adherence in a tDCS longitudinal clinical trial with people with spinal cord injury. <i>Spinal Cord</i> , 2018, 56, 502-508. | 1.9 | 8 |
| 57 | Influence of magnetron sputtering conditions on the chemical bonding, structural, morphological and optical behavior of Ta1xOx coatings. <i>Surface and Coatings Technology</i> , 2018, 334, 105-115. | 4.8 | 6 |
| 58 | Mind Wandering and Task-Focused Attention: ERP Correlates. <i>Scientific Reports</i> , 2018, 8, 7608. | 3.3 | 40 |
| 59 | Neuromodulating Attention and Mind-Wandering Processes with a Single Session Real Time EEG. <i>Applied Psychophysiology Biofeedback</i> , 2018, 43, 143-151. | 1.7 | 15 |
| 60 | Nanoporous thin films obtained by oblique angle deposition of aluminum on porous surfaces. <i>Surface and Coatings Technology</i> , 2018, 347, 350-357. | 4.8 | 7 |
| 61 | Ex-vivo studies on friction behaviour of ureteral stent coated with Ag clusters incorporated in a:C matrix. <i>Diamond and Related Materials</i> , 2018, 86, 1-7. | 3.9 | 13 |
| 62 | Properties of CrN thin films deposited in plasma-activated ABS by reactive magnetron sputtering. <i>Surface and Coatings Technology</i> , 2018, 349, 858-866. | 4.8 | 11 |
| 63 | Transcranial Alternating Current Stimulation and Transcranial Random Noise Stimulation. , 2018, , 1611-1617. | | 4 |
| 64 | Transcranial Magnetic Stimulation. , 2018, , 1577-1587. | | 1 |
| 65 | Median nerve stimulation induced motor learning in healthy adults: A study of timing of stimulation and type of learning. <i>European Journal of Neuroscience</i> , 2018, 48, 1667-1679. | 2.6 | 8 |
| 66 | Polarity Specific Effects of Cross-Hemispheric tDCS Coupled With Approach-Avoidance Training on Chocolate Craving. <i>Frontiers in Pharmacology</i> , 2018, 9, 1500. | 3.5 | 11 |
| 67 | Anodal transcranial direct current stimulation over the left dorsolateral prefrontal cortex modulates attention and pain in fibromyalgia: randomized clinical trial. <i>Scientific Reports</i> , 2017, 7, 135. | 3.3 | 56 |
| 68 | Surface EEG-Transcranial Direct Current Stimulation (tDCS) Closed-Loop System. <i>International Journal of Neural Systems</i> , 2017, 27, 1750026. | 5.2 | 35 |
| 69 | Water and oil wettability of anodized 6016 aluminum alloy surface. <i>Applied Surface Science</i> , 2017, 422, 430-442. | 6.1 | 42 |
| 70 | Zinc nanostructures for oxygen scavenging. <i>Nanoscale</i> , 2017, 9, 5254-5262. | 5.6 | 25 |
| 71 | Patterns of Default Mode Network Deactivation in Obsessive Compulsive Disorder. <i>Scientific Reports</i> , 2017, 7, 44468. | 3.3 | 33 |
| 72 | Evaluation of cell activation promoted by tantalum and tantalum oxide coatings deposited by reactive DC magnetron sputtering. <i>Surface and Coatings Technology</i> , 2017, 330, 260-269. | 4.8 | 22 |

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|----|--|------|-----------|
| 73 | Delayed pain decrease following M1 tDCS in spinal cord injury: A randomized controlled clinical trial. <i>Neuroscience Letters</i> , 2017, 658, 19-26. | 2.1 | 25 |
| 74 | Neural signature of tDCS, tPCS and their combination: Comparing the effects on neural plasticity. <i>Neuroscience Letters</i> , 2017, 637, 207-214. | 2.1 | 20 |
| 75 | Mind wandering and the attention network system. <i>Acta Psychologica</i> , 2017, 172, 49-54. | 1.5 | 9 |
| 76 | Editorial: The Role of Primary Motor Cortex as a Marker and Modulator of Pain Control and Emotional-Affective Processing. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 270. | 2.0 | 10 |
| 77 | Is the relationship between mind wandering and attention culture-specific?. <i>Psychology and Neuroscience</i> , 2017, 10, 132-143. | 0.8 | 6 |
| 78 | Alterations of gray and white matter morphology in obsessive compulsive disorder. <i>Psicothema</i> , 2017, 29, 35-42. | 0.9 | 10 |
| 79 | Motor Cortex Excitability and BDNF Levels in Chronic Musculoskeletal Pain According to Structural Pathology. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 357. | 2.0 | 74 |
| 80 | Antibacterial Ag/a-C nanocomposite coatings: The influence of nano-galvanic a-C and Ag couples on Ag ionization rates. <i>Applied Surface Science</i> , 2016, 377, 283-291. | 6.1 | 55 |
| 81 | Morphology and oxygen incorporation effect on antimicrobial activity of silver thin films. <i>Applied Surface Science</i> , 2016, 371, 1-8. | 6.1 | 26 |
| 82 | Nano-galvanic coupling for enhanced Ag ⁺ release in ZrCN-Ag films: Antibacterial application. <i>Surface and Coatings Technology</i> , 2016, 298, 1-6. | 4.8 | 22 |
| 83 | Functional properties of ceramic-Ag nanocomposite coatings produced by magnetron sputtering. <i>Progress in Materials Science</i> , 2016, 84, 158-191. | 32.8 | 116 |
| 84 | Cognitive and emotional impairments in obsessive-compulsive disorder: Evidence from functional brain alterations. <i>Porto Biomedical Journal</i> , 2016, 1, 92-105. | 1.0 | 37 |
| 85 | Influence of oxygen content on the antibacterial effect of Ag-O coatings deposited by magnetron sputtering. <i>Surface and Coatings Technology</i> , 2016, 305, 1-10. | 4.8 | 28 |
| 86 | Influence of Oxygen content on the electrochemical behavior of Ta _{1-x} O _x coatings. <i>Electrochimica Acta</i> , 2016, 211, 385-394. | 5.2 | 11 |
| 87 | Duration Dependent Effects of Transcranial Pulsed Current Stimulation (tPCS) Indexed by Electroencephalography. <i>Neuromodulation</i> , 2016, 19, 679-688. | 0.8 | 23 |
| 88 | Strain analysis on Ti _{1-x} Ag _x and Ag-Ti _x electrodes deposited on polymer based sensors. <i>Thin Solid Films</i> , 2016, 604, 55-62. | 1.8 | 2 |
| 89 | MC3T3-E1 Cell Response to Ti _{1-x} Ag _x and Ag-Ti _x Electrodes Deposited on Piezoelectric Poly(vinylidene fluoride) Substrates for Sensor Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4199-4207. | 8.0 | 10 |
| 90 | Behavioral effects of transcranial pulsed current stimulation (tPCS): Speed-accuracy tradeoff in attention switching task. <i>Neuroscience Research</i> , 2016, 109, 48-53. | 1.9 | 14 |

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|-----|--|-----|-----------|
| 91 | 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 |
| 92 | Noninvasive brain stimulation for addiction medicine. Progress in Brain Research, 2016, 224, 371-399. | 1.4 | 26 |
| 93 | 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 |
| 94 | Transcranial Electrical Stimulation (tES) for the Treatment of Neuropsychiatric Disorders Across Lifespan. European Psychologist, 2016, 21, 78-95. | 3.1 | 4 |
| 95 | 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 |
| 96 | Inferior frontal gyrus white matter abnormalities in obsessive-compulsive disorder. NeuroReport, 2015, 26, 495-500. | 1.2 | 12 |
| 97 | 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 |
| 98 | Study and characterization of the crest module design: A 3D finite element analysis. Journal of Prosthetic Dentistry, 2015, 113, 541-547. | 2.8 | 9 |
| 99 | Silver activation on thin films of Ag-ZrCN coatings for antimicrobial activity. Materials Science and Engineering C, 2015, 55, 547-555. | 7.3 | 38 |
| 100 | Cognitive effects and autonomic responses to transcranial pulsed current stimulation. Experimental Brain Research, 2015, 233, 701-709. | 1.5 | 35 |
| 101 | Influence of design parameters on the mechanical behavior and porosity of braided fibrous stents. Materials and Design, 2015, 86, 237-247. | 7.0 | 42 |
| 102 | Electrochemical response of ZrCN-Ag-a(C,N) coatings in simulated body fluids. Electrochimica Acta, 2015, 176, 898-906. | 5.2 | 13 |
| 103 | Electrochemical vs antibacterial characterization of ZrCN-Ag coatings. Surface and Coatings Technology, 2015, 275, 357-362. | 4.8 | 7 |
| 104 | Chemical and structural characterization of ZrCNAg coatings: XPS, XRD and Raman spectroscopy. Applied Surface Science, 2015, 346, 240-247. | 6.1 | 61 |
| 105 | Hemispheric dorsolateral prefrontal cortex lateralization in the regulation of empathy for pain. Neuroscience Letters, 2015, 594, 12-16. | 2.1 | 51 |
| 106 | Sustained Effects of a Neural-based Intervention in a Refractory Case of Tourette Syndrome. Brain Stimulation, 2015, 8, 657-659. | 1.6 | 28 |
| 107 | PVD-grown antibacterial Ag-TiN films on piezoelectric PVDF substrates for sensor applications. Surface and Coatings Technology, 2015, 281, 117-124. | 4.8 | 22 |
| 108 | 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 |

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|-----|--|-----|-----------|
| 109 | Transcranial Direct Current Stimulation Based Metaplasticity Protocols in Working Memory. <i>Brain Stimulation</i> , 2015, 8, 289-294. | 1.6 | 38 |
| 110 | Silver surface segregation in Ag-DLC nanocomposite coatings. <i>Surface and Coatings Technology</i> , 2015, 267, 90-97. | 4.8 | 42 |
| 111 | Biotribological behavior of Ag-ZrC _x N _{1-x} coatings against UHMWPE for joint prostheses devices. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 41, 83-91. | 3.1 | 7 |
| 112 | Brain activation of the defensive and appetitive survival systems in obsessive compulsive disorder. <i>Brain Imaging and Behavior</i> , 2015, 9, 255-263. | 2.1 | 15 |
| 113 | Assessing potential neurophysiological signatures of chronic corneal pain and its modulation through non-invasive brain stimulation: A commentary. <i>Principles and Practice of Clinical Research Journal</i> , 2015, 1, 14-19. | 0.1 | 0 |
| 114 | Properties of Electrospun TiO ₂ Nanofibers. <i>Journal of Nanotechnology</i> , 2014, 2014, 1-5. | 3.4 | 42 |
| 115 | Influence of culture media on the physical and chemical properties of Ag-TiCN coatings. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 335401. | 2.8 | 3 |
| 116 | A psicologia como neurociência cognitiva: Implicações para a compreensão dos processos básicos e suas aplicações. <i>Análise Psicológica</i> , 2014, 32, 3-25. | 0.2 | 0 |
| 117 | Structural and electrochemical characterization of Zr-Ca-N-Ag coatings deposited by DC dual magnetron sputtering. <i>Corrosion Science</i> , 2014, 80, 229-236. | 6.6 | 31 |
| 118 | Influence of albumin on the tribological behavior of Ag-Ti (C, N) thin films for orthopedic implants. <i>Materials Science and Engineering C</i> , 2014, 34, 22-28. | 7.3 | 27 |
| 119 | Production and Characterization of Ag Nanoclusters Produced by Plasma Gas Condensation. <i>Plasma Processes and Polymers</i> , 2014, 11, 629-638. | 3.0 | 18 |
| 120 | Ti _{1-x} Ag _x electrodes deposited on polymer based sensors. <i>Applied Surface Science</i> , 2014, 317, 490-495. | 6.1 | 13 |
| 121 | Study of the effect of the silver content on the structural and mechanical behavior of Ag-ZrCN coatings for orthopedic prostheses. <i>Materials Science and Engineering C</i> , 2014, 42, 782-790. | 7.3 | 21 |
| 122 | Prediction of optimized composition for enhanced mechanical and electrochemical response of Zr-C-N-Ag coatings for medical devices. <i>Applied Surface Science</i> , 2014, 320, 570-580. | 6.1 | 11 |
| 123 | Facilitative effects of bi-hemispheric tDCS in cognitive deficits of Parkinson disease patients. <i>Medical Hypotheses</i> , 2014, 82, 138-140. | 1.5 | 7 |
| 124 | Development of braided fiber-based stents. <i>Studies in Health Technology and Informatics</i> , 2014, 207, 135-44. | 0.3 | 1 |
| 125 | Advanced surface characterization of silver nanocluster segregation in Ag-TiCN bioactive coatings by RBS, GDOES, and ARXPS. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6259-6269. | 3.7 | 22 |
| 126 | Improving Tribological Properties of Cast Al-Si Alloys through Application of Wear-Resistant Thermal Spray Coatings. <i>Journal of Thermal Spray Technology</i> , 2013, 22, 491-501. | 3.1 | 12 |

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|-----|--|-----|-----------|
| 127 | The Effects of Cross-Hemispheric Dorsolateral Prefrontal Cortex Transcranial Direct Current Stimulation (tDCS) on Task Switching. <i>Brain Stimulation</i> , 2013, 6, 660-667. | 1.6 | 65 |
| 128 | Influence of Ag content on mechanical and tribological behavior of DLC coatings. <i>Surface and Coatings Technology</i> , 2013, 232, 440-446. | 4.8 | 98 |
| 129 | Ag ⁺ release and corrosion behavior of zirconium carbonitride coatings with silver nanoparticles for biomedical devices. <i>Surface and Coatings Technology</i> , 2013, 222, 104-111. | 4.8 | 21 |
| 130 | Influence of surface features on the adhesion of <i>Staphylococcus epidermidis</i> to Ag-TiCN thin films. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 035009. | 6.1 | 27 |
| 131 | Ag ⁺ release inhibition from ZrCN-Ag coatings by surface agglomeration mechanism: structural characterization. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 325303. | 2.8 | 55 |
| 132 | The Emotional Movie Database (EMDB): A Self-Report and Psychophysiological Study. <i>Applied Psychophysiology Biofeedback</i> , 2012, 37, 279-294. | 1.7 | 151 |
| 133 | Affective picture modulation: Valence, arousal, attention allocation and motivational significance. <i>International Journal of Psychophysiology</i> , 2012, 83, 375-381. | 1.0 | 70 |
| 134 | Influence of silver content on the tribomechanical behavior on Ag-TiCN bioactive coatings. <i>Surface and Coatings Technology</i> , 2012, 206, 2192-2198. | 4.8 | 46 |
| 135 | In-service behaviour of (Ti,Si,Al) _{Nx} nanocomposite films. <i>Wear</i> , 2012, 274-275, 68-74. | 3.1 | 24 |
| 136 | Improving the visible transmittance of low-e titanium nitride based coatings for solar thermal applications. <i>Applied Surface Science</i> , 2011, 258, 1784-1788. | 6.1 | 28 |
| 137 | Obsessive Compulsive Disorder as a functional interhemispheric imbalance at the thalamic level. <i>Medical Hypotheses</i> , 2011, 77, 445-447. | 1.5 | 29 |
| 138 | Psychophysiological Correlates of Sexually and Non-Sexually Motivated Attention to Film Clips in a Workload Task. <i>PLoS ONE</i> , 2011, 6, e29530. | 2.5 | 15 |
| 139 | Surface characterization of Ti-Si-C-ON coatings for orthopedic devices: XPS and Raman spectroscopy. <i>Solid State Sciences</i> , 2011, 13, 95-100. | 3.2 | 13 |
| 140 | Cohesive strength of nanocrystalline ZnO:Ga thin films deposited at room temperature. <i>Nanoscale Research Letters</i> , 2011, 6, 309. | 5.7 | 11 |
| 141 | Ag-Ti(C, N)-based coatings for biomedical applications: influence of silver content on the structural properties. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 375501. | 2.8 | 42 |
| 142 | Task-Specific Effects of tDCS-Induced Cortical Excitability Changes on Cognitive and Motor Sequence Set Shifting Performance. <i>PLoS ONE</i> , 2011, 6, e24140. | 2.5 | 79 |
| 143 | Influence of the surface morphology and microstructure on the biological properties of Ti-Si-C-N-O coatings. <i>Thin Solid Films</i> , 2010, 518, 5694-5699. | 1.8 | 11 |
| 144 | Structure-property relations in ZrCN coatings for tribological applications. <i>Surface and Coatings Technology</i> , 2010, 205, 2134-2141. | 4.8 | 65 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 145 | Physical and thermal properties of a chitosan/alginate nanolayered PET film. Carbohydrate Polymers, 2010, 82, 153-159. | 10.2 | 119 |
| 146 | Biological Properties of Ti-Si-C-O-N Thin Films. Journal of Nano Research, 2009, 6, 99-114. | 0.8 | 0 |
| 147 | Structural evolution of Ti-Al-Si-N nanocomposite coatings. Vacuum, 2009, 83, 1206-1212. | 3.5 | 36 |
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