

Alessandro Gambardella

List of Publications by Year in descending order

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1236
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#	ARTICLE	IF	CITATIONS
1	Nano-Based Biomaterials as Drug Delivery Systems Against Osteoporosis: A Systematic Review of Preclinical and Clinical Evidence. <i>Nanomaterials</i> , 2021, 11, 530.	4.1	33
2	Composite Scaffolds for Bone Tissue Regeneration Based on PCL and Mg-Containing Bioactive Glasses. <i>Biology</i> , 2021, 10, 398.	2.8	30
3	Determination of the Spatial Anisotropy of the Surface MicroStructures of Different Implant Materials: An Atomic Force Microscopy Study. <i>Materials</i> , 2021, 14, 4803.	2.9	5
4	Multifunctional 3D-Printed Magnetic Polycaprolactone/Hydroxyapatite Scaffolds for Bone Tissue Engineering. <i>Polymers</i> , 2021, 13, 3825.	4.5	20
5	Roughness conformality during thin films deposition onto rough substrates: A quantitative study. <i>Thin Solid Films</i> , 2020, 709, 138258.	1.8	3
6	Ultrathin hydroxyapatite coating on pure magnesium substrate prepared by pulsed electron ablation technique. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020, 71, 1794-1801.	1.5	2
7	Assessing conformal thin film growth under nonstochastic deposition conditions: application of a phenomenological model of roughness replication to synthetic topographic images. <i>Journal of Microscopy</i> , 2020, 280, 270-279.	1.8	3
8	Impact of Surface Functionalization by Nanostructured Silver Thin Films on Thermoplastic Central Venous Catheters: Mechanical, Microscopical and Thermal Analyses. <i>Coatings</i> , 2020, 10, 1034.	2.6	3
9	Monitoring morphological and chemical properties during silver solid-state dewetting. <i>Applied Surface Science</i> , 2019, 498, 143890.	6.1	9
10	Nanoindentation: An advanced procedure to investigate osteochondral engineered tissues. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 96, 79-87.	3.1	12
11	Fabrication and characterization of biomimetic hydroxyapatite thin films for bone implants by direct ablation of a biogenic source. <i>Materials Science and Engineering C</i> , 2019, 99, 853-862.	7.3	32
12	Nanostructured Ag thin films deposited by pulsed electron ablation. <i>Applied Surface Science</i> , 2019, 475, 917-925.	6.1	21
13	A comparative study of the growth dynamics of zirconia thin films deposited by ionized jet deposition onto different substrates. <i>Surface and Coatings Technology</i> , 2018, 337, 306-312.	4.8	27
14	Strontium doped calcium phosphate coatings on poly(etheretherketone) (PEEK) by pulsed electron deposition. <i>Surface and Coatings Technology</i> , 2017, 319, 191-199.	4.8	38
15	Effects of working gas pressure on zirconium dioxide thin film prepared by pulsed plasma deposition: roughness, wettability, friction and wear characteristics. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 72, 200-208.	3.1	5
16	Plasma-assisted deposition of bone apatite-like thin films from natural apatite. <i>Materials Letters</i> , 2017, 199, 32-36.	2.6	18
17	Pulsed Electron Deposition of nanostructured bioactive glass coatings for biomedical applications. <i>Ceramics International</i> , 2017, 43, 15862-15867.	4.8	26
18	Osteogenic Differentiation of hDPSCs on Biogenic Bone Apatite Thin Films. <i>Stem Cells International</i> , 2017, 2017, 1-10.	2.5	17

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19	Ceramic coatings for orthopaedic implants: preparation and characterization. <i>Surface and Interface Analysis</i> , 2016, 48, 616-620.	1.8	3
20	Seed layer technique for high quality epitaxial manganite films. <i>AIP Advances</i> , 2016, 6, 085109.	1.3	2
21	Surface morphology, tribological properties and in vitro biocompatibility of nanostructured zirconia thin films. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 96.	3.6	24
22	Magnetic hydroxyapatite coatings as a new tool in medicine: A scanning probe investigation. <i>Materials Science and Engineering C</i> , 2016, 62, 444-449.	7.3	26
23	Tribological characterization of zirconia coatings deposited on Ti6Al4V components for orthopedic applications. <i>Materials Science and Engineering C</i> , 2016, 62, 643-655.	7.3	35
24	Optimizing thickness of ceramic coatings on plastic components for orthopedic applications: A finite element analysis. <i>Materials Science and Engineering C</i> , 2016, 58, 381-388.	7.3	13
25	CERAMIC THIN FILMS REALIZED BY MEANS OF PULSED PLASMA DEPOSITION TECHNIQUE: APPLICATIONS FOR ORTHOPEDICS. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1540002.	0.7	14
26	Tough and adhesive nanostructured calcium phosphate thin films deposited by the pulsed plasma deposition method. <i>RSC Advances</i> , 2015, 5, 78561-78571.	3.6	26
27	Chemical states and ferromagnetism in heavily Mn-substituted zinc oxide thin films. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	12
28	Polaron framework to account for transport properties in metallic epitaxial manganite films. <i>Physical Review B</i> , 2014, 89, .	3.2	24
29	Surface Nanostructures in Manganite Films. <i>Scientific Reports</i> , 2014, 4, 5353.	3.3	10
30	Tunnel conductivity switching in a single nanoparticle-based nano floating gate memory. <i>Scientific Reports</i> , 2014, 4, 4196.	3.3	21
31	Conditions for the growth of smooth La _{0.7} Sr _{0.3} MnO ₃ thin films by pulsed electron ablation. <i>Thin Solid Films</i> , 2013, 534, 83-89.	1.8	28
32	Electronic and Magnetic Properties of Mn ₁₂ Molecular Magnets on Sulfonate and Carboxylic Acid Prefunctionalized Gold Surfaces. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14936-14942.	3.1	24
33	Scanning tunnelling spectroscopy study of paramagnetic superconducting $\text{Nd}^{2+}\text{-ET4}[(\text{H}_3\text{O})\text{Fe}(\text{C}_2\text{O}_4)_3]\cdot\text{C}_6\text{H}_5\text{Br}$ crystals. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 175701.	1.8	2
34	Electric field effect and superconducting-insulating transition in $\text{Nd}^{2+}\text{-ET4}[(\text{H}_3\text{O})\text{Fe}(\text{C}_2\text{O}_4)_3]\cdot\text{C}_6\text{H}_5\text{Br}$ cuprate superconductors. <i>Superconductor Science and Technology</i> , 2009, 22, 034010.	3.5	5
35	Comparison among superconducting models for $\text{Nd}^{2+}\text{-ET4}[(\text{H}_3\text{O})\text{Fe}(\text{C}_2\text{O}_4)_3]\cdot\text{C}_6\text{H}_5\text{Br}$ single crystals by scanning tunnelling spectroscopy. <i>Solid State Sciences</i> , 2008, 10, 1773-1776.	3.2	2
36	Electronic phase separation near the superconductor-insulator transition of $\text{Nd}^{2+}\text{-ET4}[(\text{H}_3\text{O})\text{Fe}(\text{C}_2\text{O}_4)_3]\cdot\text{C}_6\text{H}_5\text{Br}$ single crystals. <i>Physical Review B</i> , 2008, 78, .	3.2	10

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37	Isolated Heterometallic Cr ₇ Ni Rings Grafted on Au(111) Surface. <i>Inorganic Chemistry</i> , 2007, 46, 4937-4943.	4.0	36
38	Self-assembling of Mn ₁₂ molecular nanomagnets on FIB-patterned Au dot matrix. <i>Surface Science</i> , 2007, 601, 2618-2622.	1.9	16
39	Electrostatic Modulation of Conductivity in $\text{Nd}_{1.2}\text{Ba}_{1.8}\text{Cu}_3\text{O}_y$ Thin Films. <i>IEEE Transactions on Applied Superconductivity</i> , 2005, 15, 2946-2949.	1.7	1
40	Isolated Mn ₁₂ Single-Molecule Magnets Grafted on Gold Surfaces via Electrostatic Interactions. <i>Inorganic Chemistry</i> , 2005, 44, 7693-7695.	4.0	72
41	Transport properties of Nd _{1.2} Ba _{1.8} Cu ₃ O _z Ultrathin films by field-effect doping. <i>Physical Review B</i> , 2004, 70, .	3.2	18