

ARTICOLE 2024

1. Tiss, B; Zayoud, W; Sekrafi, HE; Bouguila, N; Cristea, D; Croitoru, C; Velicu, L; Tiron, V; Prepelita, P; Craciun, V; Moura, C; Cunha, L, Enhancing photocatalysis through annealing: Unveiling the role of physical properties in photocatalytic behavior, MATERIALS CHEMISTRY AND PHYSICS, Volume313, DOI10.1016/j.matchemphys.2023.128665, Article Number 128665, Published FEB 1 2024
2. Craciun, D; Laszlo, EA; Mirza-Rosca, JC; Dorcioman, G; Geanta, V; Voiculescu, I; Craciun, G; Badea, L; Craciun, V, Structural Parameters and Behavior in Simulated Body Fluid of High , Entropy Alloy Thin Films, MATERIALS, Volume17Issue5, DOI10.3390/ma17051162, Article Number 1162, Published MAR 2024
3. Wan, HH; Chiang, CC; Li, JS; Ren, F; Alema, F; Osinsky, A; Craciun, V; Pearton, SJ, Comparison of Ti/Au, Ni/Au, and Sc/Au ohmic contact metal stacks on (Al_{0.18}Ga_{0.82})₂O₃, JOURNAL OF MATERIALS SCIENCE, Volume59, Issue40, Page19152-19160, DOI10.1007/s10853-024-10330-2, Published OCT 2024
4. Malinovschi, V; Marin, A; Ducu, C; Moga, S; Craciun, V; Lungu, CP; Cimpoesu, R; Golgovici, F; Cristea, D, Preparation and characterization of Ti₅Al₁₆O₃₄ PEO ceramic coatings deposited on CP-Ti in mixed aluminate-phosphate electrolytes, CERAMICS INTERNATIONAL, Volume50Issue21Page40955-40975PartA, DOI10.1016/j.ceramint.2024.07.408, Published NOV 1 2024
5. Irimiciuc, SA; Grumezescu, V; Holban, AM; Gherasim, O; Chertopalov, S; Vasile, BS; Prepelita, P; Craciun, V; Lancok, J, Phase tailoring of silver oxide thin films for improved antimicrobial activity, JOURNAL OF APPLIED PHYSICS, Volume136Issue23, DOI10.1063/5.0216723, Article Number 235301, Published DEC 21 2024
6. Bleotu, PG; Udrea, R; Dumitru, A; Uteza, O; Mihai, MD; Matei, DG; Ursescu, D; Irimiciuc, S; Craciun, V, Exploring fs-laser irradiation damage subthreshold behavior of dielectric mirrors via electrical measurements, High Power Laser Science and Engineering, (2024), Vol. 12, e15, 9 pages.
7. Constantinescu, S; Niculescu, AG; Hudita, A; Grumezescu, V; Radulescu, D; Birca, AC; Irimiciuc, SA; Gherasim, O; Holban, AM; Galateanu, B; Oprea, OC; Fica, A; Vasile, BS; Grumezescu, AM; Bolocan, A; Radulescu, R, Silver/Graphene Oxide Nanostructured Coatings for Modulating the Microbial Susceptibility of Fixation Devices Used in Knee Surgery, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Volume25Issue1, DOI10.3390/ijms25010246, Article Number 246, Published JAN 2024
8. Pirusca, IA; Balaure, PC; Grumezescu, V; Irimiciuc, SA; Oprea, OC; Birca, AC; Vasile, B; Holban, AM; Voinea, IC Stan, MS ; Trusca, R; Grumezescu, AM; Croitoru, GA, New Fe₃O₄-Based Coatings with Enhanced Anti-Biofilm Activity for Medical Devices, ANTIBIOTICS-BASEL, Volume13Issue7, DOI10.3390/antibiotics13070631, Article Number
9. Ultra-Short Pulses Laser Heating of Dielectrics: A Semi-Classical Analytical Model, Badea, L; Duta, L; Mihailescu, CN; Oane, M; Trefilov, AMI; Popescu, A; Hapenciuc, C; Mahmood, MAJ ; Ticos, D; Mihailescu, N; Ristoscu, C; Anghel, SA; Mihailescu, IN MATERIALS, Volume17, Issue21, DOI10.3390/ma17215366, Article Number 5366, Published NOV 2024

