

Guglielmo G Condorelli

List of Publications by Year in descending order

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151
papers

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Elusive Presence of Chloride in Mixed Halide Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3532-3538. | 4.6 | 175 |
| 2 | Cyclic fatigue of different nickel-titanium endodontic rotary instruments. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2006, 102, e106-e114. | 1.4 | 126 |
| 3 | Magnetic behaviour of TbPc ₂ single-molecule magnets chemically grafted on silicon surface. <i>Nature Communications</i> , 2014, 5, 4582. | 12.8 | 115 |
| 4 | Anchoring Molecular Magnets on the Si(100) Surface. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4081-4084. | 13.8 | 101 |
| 5 | Engineering of molecular architectures of β^2 -diketonate precursors toward new advanced materials. <i>Coordination Chemistry Reviews</i> , 2007, 251, 1931-1950. | 18.8 | 91 |
| 6 | Shaping Ability of Four Nickel-Titanium Rotary Instruments in Simulated S-Shaped Canals. <i>Journal of Endodontics</i> , 2009, 35, 883-886. | 3.1 | 87 |
| 7 | Similar Structural Dynamics for the Degradation of CH ₃ NH ₃ Pb ₃ in Air and in Vacuum. <i>ChemPhysChem</i> , 2015, 16, 3064-3071. | 2.1 | 80 |
| 8 | The effect of surface treatments of nickel-titanium files on wear and cutting efficiency. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2000, 89, 363-368. | 1.4 | 78 |
| 9 | Highly reproducible ideal SiC Schottky rectifiers: effects of surface preparation and thermal annealing on the Ni/6H-SiC barrier height. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 77, 827-833. | 2.3 | 77 |
| 10 | Photochemical Mechanism of the Formation of Nanometer-Sized Copper by UV Irradiation of Ethanol Bis(2,4-pentandionato)copper(II) Solutions. <i>Chemistry of Materials</i> , 2004, 16, 1260-1266. | 6.7 | 68 |
| 11 | Local Magnetic Properties of a Monolayer of Mn ₁₂ Single Molecule Magnets. <i>Nano Letters</i> , 2007, 7, 1551-1555. | 9.1 | 68 |
| 12 | Wear of Nickel-Titanium Endodontic Instruments Evaluated by Scanning Electron Microscopy: Effect of Ion Implantation. <i>Journal of Endodontics</i> , 2001, 27, 588-592. | 3.1 | 62 |
| 13 | Au ⁺ /Ag/CeO ₂ and Au ⁺ /Cu/CeO ₂ Catalysts for Volatile Organic Compounds Oxidation and CO Preferential Oxidation. <i>Catalysis Letters</i> , 2015, 145, 1691-1702. | 2.6 | 62 |
| 14 | Exclusive recognition of sarcosine in water and urine by a cavitand-functionalized silicon surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2263-2268. | 7.1 | 61 |
| 15 | Molecular Recognition on a Cavitand-Functionalized Silicon Surface. <i>Journal of the American Chemical Society</i> , 2009, 131, 7447-7455. | 13.7 | 58 |
| 16 | A single photochemical route for the formation of both copper nanoparticles and patterned nanostructured films. <i>Journal of Materials Chemistry</i> , 2003, 13, 2409-2411. | 6.7 | 52 |
| 17 | Cyclodextrin Anchoring on Magnetic Fe ₃ O ₄ Nanoparticles Modified with Phosphonic Linkers. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5323-5331. | 2.0 | 52 |
| 18 | Selective oxidation of CO in H ₂ -rich stream over gold/iron oxide: An insight on the effect of catalyst pretreatment. <i>Journal of Molecular Catalysis A</i> , 2008, 284, 24-32. | 4.8 | 51 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Cavitand-Graded Silicon Microcantilevers as a Universal Probe for Illicit and Designer Drugs in Water. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9183-9188. | 13.8 | 49 |
| 20 | Effect of sterilization on the cutting efficiency of rotary nickel-titanium endodontic files. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 1999, 88, 343-347. | 1.4 | 48 |
| 21 | Defects in GT Rotary Instruments After Use: An SEM Study. <i>Journal of Endodontics</i> , 2001, 27, 782-785. | 3.1 | 48 |
| 22 | Site-Specific Anchoring of Tetrairon(III) Single Molecule Magnets on Functionalized Si(100) Surfaces. <i>Chemistry of Materials</i> , 2008, 20, 2405-2411. | 6.7 | 47 |
| 23 | Nanoparticles of Sr(OH) ₂ : synthesis in homogeneous phase at low temperature and application for cultural heritage artefacts. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 137-141. | 2.3 | 45 |
| 24 | Spectroscopic and Theoretical Study of the Grafting Modes of Phosphonic Acids on ZnO Nanorods. <i>Journal of Physical Chemistry C</i> , 2013, 117, 5364-5372. | 3.1 | 45 |
| 25 | Surface segregation of Sb in doped TiO ₂ rutile. <i>Applied Surface Science</i> , 1995, 90, 289-295. | 6.1 | 41 |
| 26 | An x-ray photoelectron spectra and atomic force microscopy characterization of silica substrates engineered with a covalently assembled siloxane monolayer. <i>Nanotechnology</i> , 2005, 16, 2170-2175. | 2.6 | 41 |
| 27 | Grafting Cavitands on the Si(100) Surface. <i>Langmuir</i> , 2006, 22, 11126-11133. | 3.5 | 41 |
| 28 | Reversible photoswitching of stimuli-responsive Si(100) surfaces engineered with an assembled 1-cyano-1-phenyl-2-[4-(10-undecenyloxy)phenyl]-ethylene monolayer. <i>Journal of Materials Chemistry</i> , 2008, 18, 5011. | 6.7 | 41 |
| 29 | Engineered Silica Surfaces with an Assembled C ₆₀ Fullerene Monolayer. <i>Chemistry of Materials</i> , 2005, 17, 1079-1084. | 6.7 | 39 |
| 30 | Pitting Corrosion Resistance of Nickel-Titanium Rotary Instruments with Different Surface Treatments in Seventeen Percent Ethylenediaminetetraacetic Acid and Sodium Chloride Solutions. <i>Journal of Endodontics</i> , 2008, 34, 208-211. | 3.1 | 39 |
| 31 | Improvement of the fatigue resistance of NiTi endodontic files by surface and bulk modifications. <i>International Endodontic Journal</i> , 2010, 43, 866-873. | 5.0 | 37 |
| 32 | Self-Assembly of Nanosize Coordination Cages on Si(100) Surfaces. <i>Chemistry - A European Journal</i> , 2007, 13, 6891-6898. | 3.3 | 36 |
| 33 | Tunable luminescent properties of a europium complex monolayer. <i>Journal of Materials Chemistry</i> , 2009, 19, 3507. | 6.7 | 36 |
| 34 | Cavitand-Functionalized Porous Silicon as an Active Surface for Organophosphorus Vapor Detection. <i>Langmuir</i> , 2012, 28, 1782-1789. | 3.5 | 36 |
| 35 | Texture of MAPbI ₃ Layers Assisted by Chloride on Flat TiO ₂ Substrates. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19808-19816. | 3.1 | 36 |
| 36 | MOCVD of Bismuth Oxides: Transport Properties and Deposition Mechanisms of the Bi(C ₆ H ₅) ₃ Precursor. <i>Chemistry of Materials</i> , 2004, 16, 3176-3183. | 6.7 | 34 |

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|----|---|------|-----------|
| 37 | Functionalization of PEGylated Fe ₃ O ₄ magnetic nanoparticles with tetraphosphonate cavitand for biomedical application. <i>Nanoscale</i> , 2013, 5, 11438. | 5.6 | 34 |
| 38 | Multi-Scale-Porosity TiO ₂ scaffolds grown by innovative sputtering methods for high throughput hybrid photovoltaics. <i>Scientific Reports</i> , 2016, 6, 39509. | 3.3 | 34 |
| 39 | The early oxynitridation stages of hydrogen-terminated (100) silicon after exposure to N ₂ :N ₂ O. III. Initial conditions. <i>Applied Physics A: Materials Science and Processing</i> , 2003, 77, 403-409. | 2.3 | 33 |
| 40 | Viable Synthetic Route for a Luminescent Porphyrin Monolayer Covalently Assembled on a Molecularly Engineered Si(100) Surface. <i>Chemistry of Materials</i> , 2007, 19, 5102-5109. | 6.7 | 33 |
| 41 | AlN texturing and piezoelectricity on flexible substrates for sensor applications. <i>Applied Physics Letters</i> , 2015, 106, . | 3.3 | 33 |
| 42 | Metal-Organic Chemical Vapor Deposition of Copper-Containing Phases: Kinetics and Reaction Mechanisms. <i>Chemistry of Materials</i> , 1994, 6, 1861-1866. | 6.7 | 32 |
| 43 | Novel Photoactive Self-Assembled Monolayer for Immobilization and Cleavage of DNA. <i>Langmuir</i> , 2003, 19, 536-539. | 3.5 | 32 |
| 44 | Praseodymium Silicate as a High- ϵ Dielectric Candidate: An Insight into the Pr ₂ O ₃ -Film/Si-Substrate Interface Fabricated Through a Metal-Organic Chemical Vapor Deposition Process. <i>Advanced Functional Materials</i> , 2005, 15, 838-845. | 14.9 | 32 |
| 45 | Implications of TiO ₂ surface functionalization on polycrystalline mixed halide perovskite films and photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20811-20818. | 10.3 | 31 |
| 46 | In situ synthesis of photoluminescent films of PVC, doped with Ce ³⁺ ion. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 195, 215-222. | 3.9 | 30 |
| 47 | Efficiency Enhancement in ZnO:Al-Based Dye-Sensitized Solar Cells Structured with Sputtered TiO ₂ Blocking Layers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6576-6585. | 3.1 | 29 |
| 48 | In-Situ Gas-Phase FTIR Monitoring of MOCVD Processes: LaF ₃ Films Using the Second Generation La(hfac) ₃ ·diglyme Precursor. <i>Chemical Vapor Deposition</i> , 2000, 6, 185-192. | 1.3 | 28 |
| 49 | Dye-Sensitizing of Self-Nanostructured Ti:(Zn)O ₂ /AZO Transparent Electrodes by Self-Assembly of 5,10,15,20-Tetrakis(4-carboxyphenyl)porphyrin. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7760-7767. | 3.1 | 28 |
| 50 | Micro- and nanoscale electrical characterization of large-area graphene transferred to functional substrates. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 234-242. | 2.8 | 28 |
| 51 | Density Control of Dodecamanganese Clusters Anchored on Silicon(100). <i>Chemistry - A European Journal</i> , 2006, 12, 3558-3566. | 3.3 | 26 |
| 52 | From PbI ₂ to MAPbI ₃ through Layered Intermediates. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19768-19777. | 3.1 | 26 |
| 53 | Fabrication Of Hard Coatings On NiTi Instruments. <i>Journal of Endodontics</i> , 2003, 29, 132-134. | 3.1 | 25 |
| 54 | Depositions of Nitrogen on NiTi Instruments. <i>Journal of Endodontics</i> , 2002, 28, 497-500. | 3.1 | 24 |

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| 55 | Chemical Analysis of Nickel-Titanium Rotary Instruments with and without Electropolishing after Cleaning Procedures with Sodium Hypochlorite. <i>Journal of Endodontics</i> , 2008, 34, 1391-1395. | 3.1 | 23 |
| 56 | Molecular recognition of halogen-tagged aromatic VOCs at the air/silicon interface. <i>Chemical Communications</i> , 2010, 46, 288-290. | 4.1 | 23 |
| 57 | Functionalization of atomically flat, dihydrogen terminated, (111) silicon via reaction with 1-alkyne. <i>Applied Surface Science</i> , 2005, 246, 52-67. | 6.1 | 22 |
| 58 | Study of the Anchoring Process of Tethered Unsymmetrical Zn-Phthalocyanines on TiO ₂ Nanostructured Thin Films. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11176-11185. | 3.1 | 22 |
| 59 | X-ray photoemission spectroscopy study at different takeoff angles of hydrosilation of 1-alkynes at hydrogen-terminated 111-reconstructed (100)-oriented silicon. <i>Materials Science and Engineering C</i> , 2003, 23, 989-994. | 7.3 | 21 |
| 60 | Enantioselective extraction mediated by a chiral cavitand-salen covalently assembled on a porous silicon surface. <i>Chemical Communications</i> , 2014, 50, 4993-4996. | 4.1 | 21 |
| 61 | Metal-Organic Chemical Vapor Deposition of Copper and Copper(I) Oxide: Kinetics and Reaction Mechanisms in the Presence of Oxygen. <i>Chemistry of Materials</i> , 1995, 7, 2096-2103. | 6.7 | 20 |
| 62 | Multifunctional magnetic nanoparticles for enhanced intracellular drug transport. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4134-4145. | 5.8 | 20 |
| 63 | Growth of epitaxial TlBaCaCuO a-axis oriented films on LaAlO ₃ buffer layers grown on SrTiO ₃ (100) substrates. <i>Journal of Alloys and Compounds</i> , 1997, 251, 314-317. | 5.5 | 19 |
| 64 | Effect of Ba _{1-x} Ca _x Cu precursor matrix on the formation and properties of superconducting Tl ₂ Ba ₂ Ca _{n-1} Cu _n O _x films A combined metalorganic chemical vapour deposition and thallium vapour diffusion approach. <i>Journal of Alloys and Compounds</i> , 1997, 251, 332-336. | 5.5 | 19 |
| 65 | Engineered Si(100) surfaces for the gas-phase anchoring of metal η^2 -diketonate complexes. <i>Inorganica Chimica Acta</i> , 2007, 360, 170-178. | 2.4 | 19 |
| 66 | Hierarchical Route for the Fabrication of Cavitand-Modified Nanostructured ZnO Fibers for Volatile Organic Compound Detection. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12611-12617. | 3.1 | 19 |
| 67 | Comparison Between Folic Acid and gH625 Peptide-Based Functionalization of Fe ₃ O ₄ Magnetic Nanoparticles for Enhanced Cell Internalization. <i>Nanoscale Research Letters</i> , 2018, 13, 45. | 5.7 | 19 |
| 68 | Kinetic Study of MOCVD Fabrication of Copper(I) and Copper(II) Oxide Films. <i>Chemical Vapor Deposition</i> , 1999, 5, 21-27. | 1.3 | 18 |
| 69 | Nucleation and Growth of Copper Oxide Films in MOCVD Processes Using the η^2 -Ketoiminate Precursor 4,4'-((1,2-Ethanediyldinitrilo)bis(2-pentanonate) Copper(II). <i>Chemical Vapor Deposition</i> , 1999, 5, 237-244. | 1.3 | 18 |
| 70 | MOCVD of YF ₃ and Y _{1-x} Er _x F ₃ Thin Films from Precursors Synthesized In Situ. <i>Chemical Vapor Deposition</i> , 2005, 11, 324-329. | 1.3 | 18 |
| 71 | Reproducible synthesis by metal-organic chemical vapour deposition and thallium vapour diffusion of oriented thin-films : intergrowth of and structures. <i>Superconductor Science and Technology</i> , 1996, 9, 570-577. | 3.5 | 17 |
| 72 | X-ray-photoemission-spectroscopy evidence for anomalous oxidation states of silicon after exposure of hydrogen-terminated single-crystalline (100) silicon to a diluted N ₂ : N ₂ O atmosphere. <i>Journal Physics D: Applied Physics</i> , 2002, 35, 1032-1038. | 2.8 | 17 |

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|----|--|------|-----------|
| 73 | MOCVD of LaAlO ₃ Films from a Molten Precursor Mixture: Characterization of Liquid, Gas, and Deposited Phases. <i>Chemical Vapor Deposition</i> , 2004, 10, 171-177. | 1.3 | 17 |
| 74 | Multistep Anchoring Route of Luminescent (5-Amino-1,10-phenanthroline)tris(dibenzoylmethane)europium(III) on Si(100). <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4121-4129. | 2.0 | 17 |
| 75 | Self-Assembly of TbPc ₂ Single-Molecule Magnets on Surface through Multiple Hydrogen Bonding. <i>Small</i> , 2018, 14, 1702572. | 10.0 | 17 |
| 76 | Hybrid nickel-free graphene/porphyrin rings for photodegradation of emerging pollutants in water. <i>RSC Advances</i> , 2019, 9, 30182-30194. | 3.6 | 17 |
| 77 | Evidence for the precursors of nitrated silicon in the early stages of silicon oxynitridation in N ₂ :N ₂ O atmosphere. <i>Applied Physics Letters</i> , 2001, 79, 2378-2380. | 3.3 | 16 |
| 78 | MOCVD of Lanthanum Oxides from La(tmhd) ₃ and La(tmod) ₃ Precursors: A Thermal and Kinetic Investigation. <i>Chemical Vapor Deposition</i> , 2006, 12, 46-53. | 1.3 | 16 |
| 79 | Nickel nanostructured materials from liquid phase photodeposition. <i>Journal of Nanoparticle Research</i> , 2007, 9, 611-619. | 1.9 | 16 |
| 80 | Direct Growth on Si(100) of Isolated Octahedral Mil-101(Fe) Crystals for the Separation of Aromatic Vapors. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28836-28845. | 3.1 | 16 |
| 81 | Photochemistry of bis(1,1,1,5,5,5-hexafluoro-2,4-pentanedionato)strontium tetraglyme solutions for eventual liquid phase photochemical deposition. <i>Inorganica Chimica Acta</i> , 2005, 358, 1873-1881. | 2.4 | 15 |
| 82 | A study by FTIR and mass spectroscopy of the decomposition of precursors for the MOCVD of high temperature superconductors. <i>Journal of Alloys and Compounds</i> , 1997, 251, 297-302. | 5.5 | 14 |
| 83 | Covalent Functionalization of Silicon Surfaces with a Cavitand-Modified Salen. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 2124-2131. | 2.0 | 14 |
| 84 | Combined Strategy to Realize Efficient Photoelectrodes for Low Temperature Fabrication of Dye Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6425-6433. | 8.0 | 14 |
| 85 | Characterization of a new fluorescence-enhancing substrate for microarrays with femtomolar sensitivity. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 15-22. | 7.8 | 14 |
| 86 | Low temperature sputtered TiO ₂ nano sheaths on electrospun PES fibers as high porosity photoactive material. <i>RSC Advances</i> , 2015, 5, 73444-73450. | 3.6 | 14 |
| 87 | Dual-Functional Nano-Functionalized Titanium Scaffolds to Inhibit Bacterial Growth and Enhance Osteointegration. <i>Nanomaterials</i> , 2021, 11, 2634. | 4.1 | 14 |
| 88 | Comparison of Thermal and Mass-Transport Properties of Bi(tmhd) ₃ , Bi(p-tol) ₃ , and Bi(o-tol) ₃ MOCVD Precursors. <i>Chemical Vapor Deposition</i> , 2005, 11, 261-268. | 1.3 | 13 |
| 89 | One pot grafting of tetrairon(III) single molecule magnets on silicon. <i>Polyhedron</i> , 2009, 28, 1758-1763. | 2.2 | 13 |
| 90 | Thermally induced structural modifications of nano-sized anatase films and the effects on the dye-TiO ₂ surface interactions. <i>Applied Surface Science</i> , 2014, 296, 69-78. | 6.1 | 13 |

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|-----|---|-----|-----------|
| 91 | MOCVD Growth of Perovskite Multiferroic BiFeO ₃ Films: The Effect of Doping at the A and/or B Sites on the Structural, Morphological and Ferroelectric Properties. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601025. | 3.7 | 13 |
| 92 | Microscopic model for pH sensing mechanism in zinc-based nanowalls. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126614. | 7.8 | 13 |
| 93 | Kinetics and Mechanisms of MOCVD Processes for the Fabrication of Sr-Containing Films From Sr(hfac) ₂ Tetraglyme Precursor. <i>Chemistry of Materials</i> , 2002, 14, 4307-4312. | 6.7 | 12 |
| 94 | Piezoelectric domains in BiFeO ₃ films grown via MOCVD: Structure/property relationship. <i>Surface and Coatings Technology</i> , 2013, 230, 168-173. | 4.8 | 12 |
| 95 | Surface anchoring of bi-functional organic linkers on piezoelectric BiFeO ₃ films and particles: Comparison between carboxylic and phosphonic tethering groups. <i>Surface and Coatings Technology</i> , 2018, 343, 75-82. | 4.8 | 12 |
| 96 | Combined IR and XPS characterization of organic refractory residues obtained by ion irradiation of simple icy mixtures. <i>Astronomy and Astrophysics</i> , 2018, 620, A123. | 5.1 | 12 |
| 97 | Synthesis of MIL-Modified Fe ₃ O ₄ Magnetic Nanoparticles for Enhancing Uptake and Efficiency of Temozolomide in Glioblastoma Treatment. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2874. | 4.1 | 12 |
| 98 | Fluorine-free and fluorine containing MOCVD precursors for electronic oxides: a comparison. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 118, 264-269. | 3.5 | 11 |
| 99 | Metal-Organic Chemical Vapor Deposition of Ferroelectric SrBi ₂ Ta ₂ O ₉ Films from a Fluorine-Containing Precursor System. <i>Chemistry of Materials</i> , 2006, 18, 1016-1022. | 6.7 | 11 |
| 100 | Porphyrim functionalized bismuth ferrite for enhanced solar light photocatalysis. <i>Dalton Transactions</i> , 2020, 49, 8652-8660. | 3.3 | 11 |
| 101 | Piezoelectric BiFeO ₃ Thin Films: Optimization of MOCVD Process on Si. <i>Nanomaterials</i> , 2020, 10, 630. | 4.1 | 11 |
| 102 | In-situ Synthesis of the Anhydrous La(hfac) ₃ Precursor: A Viable Route to the MOCVD of LaF ₃ . <i>Chemical Vapor Deposition</i> , 2001, 7, 151-156. | 1.3 | 10 |
| 103 | Self-Assembled Monolayers of Dipolar Nonlinear Optical Nickel(II) Molecules on the Si(100) Surface with Nanoscale Uniformity. <i>Langmuir</i> , 2006, 22, 7952-7955. | 3.5 | 10 |
| 104 | Metal-Organic Chemical Vapor Deposition (MOCVD) Synthesis of Heteroepitaxial Pr _{0.7} Ca _{0.3} MnO ₃ Films: Effects of Processing Conditions on Structural/Morphological and Functional Properties. <i>ChemistryOpen</i> , 2015, 4, 523-532. | 1.9 | 10 |
| 105 | MOCVD of Sr-Containing Oxides: Transport Properties and Deposition Mechanisms of the Sr(tmhd) ₂ ·pmdeta Precursor. <i>Chemical Vapor Deposition</i> , 2005, 11, 269-275. | 1.3 | 9 |
| 106 | BiFeO ₃ Films Doped in the A or B Sites: Effects on the Structural and Morphological Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 8221-8225. | 0.9 | 9 |
| 107 | In situ metalation of free base phthalocyanine covalently bonded to silicon surfaces. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 2222-2229. | 2.8 | 9 |
| 108 | Early Growth Stages of Aluminum Oxide (Al ₂ O ₃) Insulating Layers by Thermal- and Plasma-Enhanced Atomic Layer Deposition on AlGaIn/GaN Heterostructures. <i>ACS Applied Electronic Materials</i> , 2022, 4, 406-415. | 4.3 | 9 |

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|-----|--|-----|-----------|
| 109 | Morphology and surface properties of YBCO and TBCCO thin films: influence of etching processes. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 271, 83-93. | 1.2 | 8 |
| 110 | The early oxynitridation stages of hydrogen-terminated (100) silicon after exposure to N ₂ :N ₂ O. Nitrogen bonding states. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 75, 585-590. | 2.3 | 8 |
| 111 | Environment influence on Ti diffusion and layer degradation of a SiC/Ni ₂ Si/TiW/Au contact structure. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004, 22, 966. | 1.6 | 8 |
| 112 | Phase-selective Route to V_2O_5 Film Formation: A Systematic MOCVD Study Into the Effects of Deposition Temperature on Structure and Morphology. <i>Chemical Vapor Deposition</i> , 2015, 21, 319-326. | 1.3 | 8 |
| 113 | New Synthetic Route for the Growth of FeOOH/NH_2 -Mil-101 Films on Copper Foil for High Surface Area Electrodes. <i>ACS Omega</i> , 2019, 4, 18495-18501. | 3.5 | 8 |
| 114 | Nitrogen doped spongy TiO ₂ layers for sensors application. <i>Materials Science in Semiconductor Processing</i> , 2019, 98, 44-48. | 4.0 | 8 |
| 115 | Piezoelectric Ba and Ti co-doped BiFeO ₃ textured films: selective growth of solid solutions or nanocomposites. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16168-16179. | 5.5 | 8 |
| 116 | Synthesis and spectroscopic characterisation of MoO ₃ thin films. <i>Journal of Materials Chemistry</i> , 1996, 6, 1335-1338. | 6.7 | 7 |
| 117 | Influence of growth mode on stoichiometry in epitaxial calcium ruthenate thin films. <i>European Physical Journal B</i> , 2004, 41, 3-9. | 1.5 | 7 |
| 118 | Core-electron x-ray photoelectron spectroscopy of the evolution of nearly flat, terraced, homogeneously H-terminated Si(100) during prolonged exposure to air at room temperature. <i>Physical Review B</i> , 2006, 74, . | 3.2 | 7 |
| 119 | Spatially Confined Functionalization of Transparent NiO Thin Films with a Luminescent (1,10-Phenanthroline)tris(2-thenoyltrifluoroacetato)europium Monolayer. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1261-1268. | 2.0 | 7 |
| 120 | Polymeric platform for the growth of chemically anchored ZnO nanostructures by ALD. <i>RSC Advances</i> , 2018, 8, 521-530. | 3.6 | 7 |
| 121 | Cavitand-Decorated Silicon Columnar Nanostructures for the Surface Recognition of Volatile Nitroaromatic Compounds. <i>ACS Omega</i> , 2018, 3, 9172-9181. | 3.5 | 7 |
| 122 | Heterogeneous growth of continuous ZIF-8 films on low-temperature amorphous silicon. <i>Applied Surface Science</i> , 2019, 473, 182-189. | 6.1 | 7 |
| 123 | Homogeneous and heterogeneous reactions in the decomposition of precursors for the MOCVD of high-k and ferroelectric films. <i>Materials Science in Semiconductor Processing</i> , 2002, 5, 135-139. | 4.0 | 6 |
| 124 | Precursor mutual interactions in the kinetics of MOCVD of SBT films. <i>Materials Science in Semiconductor Processing</i> , 2002, 5, 167-171. | 4.0 | 6 |
| 125 | Hierarchical Self-Assembly of Luminescent Eu ^{III} Complexes on Silicon. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2687-2694. | 2.0 | 6 |
| 126 | Tetra-anionic porphyrin loading onto ZnO nanoneedles: A hybrid covalent/non covalent approach. <i>Materials Chemistry and Physics</i> , 2014, 143, 977-982. | 4.0 | 6 |

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