Graziella Malandrino

List of Publications by Year
in descending order

190 papers	3,730 citations	136950 32 h-index	223800 46 g-index
195 all docs	195 docs citations	195 times ranked	3550 citing authors

#	Article	IF	Citations
1	Polystyrene-Clay Nanocomposites Prepared with Polymerizable Imidazolium Surfactants. Macromolecular Rapid Communications, 2003, 24, 1079-1084.	3.9	96
2	ZnO-Cu2O core-shell nanowires as stable and fast response photodetectors. Nano Energy, 2018, 51, 308-316.	16.0	94
3	Engineering of molecular architectures of Î²-diketonate precursors toward new advanced materials. Coordination Chemistry Reviews, 2007, 251, 1931-1950.	18.8	91
4	Phaseâ€selective route to highTcsuperconducting Tl2Ba2Canâˆ'1CunO2n+4films: Combined metalorganic chemical vapor deposition using an improved barium precursor and stoichiometryâ€controlled thallium vapor diffusion. Applied Physics Letters, 1991, 58, 182-184.	3.3	85
5	A novel route to the second-generation alkaline-earth metal precursors for metal-organic chemical vapour deposition: one-step synthesis of M(hfa)2Â·tetraglyme (M=Ba, Sr, Ca and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 577 Td	2.4	57
6	Lanthanide â€œsecond-generationâ€• precursors for MOCVD applications: Effects of the metal ionic radius and polyether length on coordination spheres and mass-transport properties. Coordination Chemistry Reviews, 2006, 250, 1605-1620.	18.8	68
7	Free-Standing Copper(II) Oxide Nanotube Arrays through an MOCVD Template Process. Chemistry of Materials, 2004, 16, 5559-5561.	6.7	67
8	A Simple Route to the Synthesis of Pr2O3 High-k Thin Films. Advanced Materials, 2003, 15, 1071-1075.	21.0	59
9	The role of oxide location in HMF etherification with ethanol over sulfated ZrO2 supported on SBA-15. Journal of Catalysis, 2015, 323, 19-32.	6.2	59
10	Synthesis, Characterization, and Mass-Transport Properties of Two Novel Gadolinium(III) Hexafluoroacetylacetonate Polyether Adducts:Â Promising Precursors for MOCVD of GdF3Films. Chemistry of Materials, 1996, 8, 1292-1297.	6.7	55
11	Fluorinated Î²-Diketonate Diglyme Lanthanide Complexes as New Second-Order Nonlinear Optical Chromophores: The Role of f Electrons in the Dipolar and Octupolar Contribution to Quadratic Hyperpolarizability. Journal of the American Chemical Society, 2010, 132, 4966-4970.	13.7	55
12	New Thermally Stable and Highly Volatile Precursors for Lanthanum MOCVD: Synthesis and Characterization of Lanthanum .beta.-Diketonate Glyme Complexes. Inorganic Chemistry, 1995, 34, 6233-6234.	4.0	54
13	Is There a ZnO Face Stable to Atomic Hydrogen?. Advanced Materials, 2009, 21, 1700-1706.	21.0	53
14	Coreâ€"shell Zn-doped TiO2â€"ZnO nanofibers fabricated via a combination of electrospinning and metalâ€"organic chemical vapour deposition. CrystEngComm, 2010, 12, 3858.	2.6	53
15	Synthesis, Characterization, Crystal Structure and Mass Transport Properties of Lanthanum Î²-Diketonate Glyme Complexes, Volatile Precursors for Metalâˆ'Organic Chemical Vapor Deposition Applications. Chemistry of Materials, 1998, 10, 3434-3444.	6.7	51
16	Dielectric properties of Pr2O3 high-k films grown by metalorganic chemical vapor deposition on silicon. Applied Physics Letters, 2003, 83, 129-131.	3.3	51
17	MOCVD Template Approach to the Fabrication of Free-Standing Nickel(II) Oxide Nanotube Arrays:â€‰ Structural, Morphological, and Optical Properties Characterization. Journal of Physical Chemistry C, 2007, 111, 3211-3215.	3.1	46
18	YttriumÎ²-Diketonate Glyme MOCVD Precursors: Effects of the Polyether Length on Stabilities, Mass Transport Properties and Coordination Spheres. European Journal of Inorganic Chemistry, 2004, 2004, 500-509.	2.0	44

#	Article	IF	Citations
19	Epitaxial NiO gate dielectric on AlGaN/GaN heterostructures. Applied Physics Letters, 2012, 100, 063511.	3.3	42
20	Oregano and Thyme Essential Oils Encapsulated in Chitosan Nanoparticles as Effective Antimicrobial Agents against Foodborne Pathogens. Molecules, 2021, 26, 4055.	3.8	42
21	Relationship between Nanostructure and Optical Properties of ZnO Thin Films. Journal of Physical Chemistry C, 2008, 112, 9595-9599.	3.1	41
22	Phase Transition and Vapochromism in Molecular Assemblies of a Polymorphic Zinc(II) Schiff-Base Complex. Inorganic Chemistry, 2014, 53, 9771-9777.	4.0	41
23	A Novel Approach to Synthesizing Calcium Copper Titanate Thin Films with Giant Dielectric Constants. Advanced Materials, 2004, 16, 891-895.	21.0	40
24	A Novel Diamine Adduct of Zinc Bis(2-thenoyl-trifluoroacetonate) as a Promising Precursor for MOCVD of Zinc Oxide Films. Inorganic Chemistry, 2005, 44, 9684-9689.	4.0	39
25	Development of superhydrophobic, self-cleaning, and flame-resistant DLC/TiO2 melamine sponge for application in oilâ€"water separation. Journal of Materials Science, 2020, 55, 2846-2859.	3.7	39
26	Volatile CeIII Hexafluoroacetylacetonate Glyme Adducts as Promising Precursors for the MOCVD of CeO2 Thin Films. Chemical Vapor Deposition, 2000, 6, 233-238.	1.3	37
27	Spontaneous Self-Assembly of Water-Soluble Nucleotideâˆ'Calixarene Conjugates in Small Micelles Coalescing to Microspheres. Langmuir, 2008, 24, 6194-6200.	3.5	37
28	New molecular architectures by aggregation of tailored zinc(ii) Schiff-base complexes. New Journal of Chemistry, 2011, 35, 2826.	2.8	37
29	Morphological and structural control of nanostructured <100> oriented CeO2 films grown on random metallic substrates. Journal of Materials Chemistry, 2005, 15, 2328.	6.7	36
30	Eu-Doped Titania Nanofibers: Processing, Thermal Behaviour and Luminescent Properties. Journal of Nanoscience and Nanotechnology, 2010, 10, 5183-5190.	0.9	36
31	Relationship between the Nanostructures and the Optical Properties of CeO2Thin Films. Journal of Physical Chemistry B, 2004, 108, 16357-16364.	2.6	35
32	Characterization of ZnO and ZnO:Al films deposited by MOCVD on oriented and amorphous substrates. Microelectronics Journal, 2009, 40, 381-384.	2.0	35
33	Multi-Scale-Porosity TiO2 scaffolds grown by innovative sputtering methods for high throughput hybrid photovoltaics. Scientific Reports, 2016, 6, 39509.	3.3	34
34	Heteroepitaxy of LaAlO3(100) on SrTiO3(100):Â In Situ Growth of LaAlO3Thin Films by Metalâˆ'Organic Chemical Vapor Deposition from a Liquid Single Source. Chemistry of Materials, 1998, 10, 3765-3768.	6.7	33
35	Metalâˆ'Organic Chemical Vapor Deposition of CeO2âŒ©100âŒª Oriented Films on No-Rolled Hastelloy C276. Chemistry of Materials, 2001, 13, 4402-4404.	6.7	33
36	Heteroepitaxial Growth of Nanostructured Cerium Dioxide Thin Films by MOCVD on a (001) TiO2Substrate. Chemistry of Materials, 2003, 15, 1434-1440.	6.7	33

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37	Calcium Copperâ˜Titanate Thin Film Growth:Â Tailoring of the Operational Conditions through Nanocharacterization and Substrate Nature Effects. Journal of Physical Chemistry B, 2006, 110, 17460-17467.	2.6	33
38	Metal-Organic Chemical Vapor Deposition of Copper-Containing Phases: Kinetics and Reaction Mechanisms. Chemistry of Materials, 1994, 6, 1861-1866.	6.7	32
39	Praseodymium Silicate as a High-kDielectric Candidate: An Insight into the Pr2O3-Film/Si-Substrate Interface Fabricated Through a Metal-Organic Chemical Vapor Deposition Process. Advanced Functional Materials, 2005, 15, 838-845.	14.9	32
40	Breakdown kinetics of Pr2O3 films by conductive-atomic force microscopy. Applied Physics Letters, 2005, 87, 231913.	3.3	32
41	Effects of Metal-Organic Chemical Vapour Deposition grown seed layer on the fabrication of well aligned ZnO nanorods by Chemical Bath Deposition. Thin Solid Films, 2011, 519, 7694-7701.	1.8	32
42	Synthesis, characterization and application of Ni(tta)2Â·tmeda to MOCVD of nickel oxide thin films. Dalton Transactions, 2006, , 1101-1106.	3.3	31
43	Synthesis, X-ray Structure, and Characterization of Ag(hfa)Â·Tetraglyme [hfa = Hexafluoroacetylacetonate]:Â A Novel Adduct for the Fabrication of Metallic Silver Based Films via in Situ Self Reductionâ€. Chemistry of Materials, 2000, 12, 290-293.	6.7	30
44	Study of the Thermal Properties of Pr(III) Precursors and Their Implementation in the MOCVD Growth of Praseodymium Oxide Films. Journal of the Electrochemical Society, 2004, 151, F206.	2.9	30
45	ZnO nanorod arrays fabrication via chemical bath deposition: Ligand concentration effect study. Superlattices and Microstructures, 2010, 48, 408-415.	3.1	30
46	Synthesis, characterization and crystal structure of a new thermally stable and volatile precursor [bis(1,1,1,2,2,3,3,7,7,8,8,9,9,9-tetradecafluorononane-4,6-dionato)2â€“tetraglyme]barium(II) for MOCVD application. Journal of Materials Chemistry, 1994, 4, 1061-1066.	6.7	29
47	Silver nanowires by a sonoself-reduction template process. Journal of Materials Chemistry, 2004, 14, 2726-2728.	6.7	29
48	Metal Organic Chemical Vapor Deposition of nickel oxide thin films for wide band gap device technology. Thin Solid Films, 2014, 563, 50-55.	1.8	29
49	Recent Advances in Characterization of CaCu3Ti4O12Thin Films by Spectroscopic Ellipsometric Metrology. Journal of the American Chemical Society, 2005, 127, 13772-13773.	13.7	28
50	Self-assembled nanostructures of amphiphilic zinc(<scp>ii</scp>) salophen complexes: role of the solvent on their structure and morphology. Dalton Transactions, 2014, 43, 10208-10214.	3.3	28
51	Europium â€œSecond Generationâ€•Precursors for Metal-Organic Chemical Vapor Deposition: Characterization and Optical Spectroscopy. European Journal of Inorganic Chemistry, 2001, 2001, 1039-1044.	2.0	27
52	MOCVD of CeF3films on Si(100) substrates: synthesis, characterization and luminescence spectroscopy. Journal of Materials Chemistry, 2002, 12, 2816-2819.	6.7	27
53	Structuralâ€“optical study of high-dielectric-constant oxide films. Applied Surface Science, 2006, 253, 322-327.	6.1	26
54	From PbI₂ to MAPbI₃ through Layered Intermediates. Journal of Physical Chemistry C, 2016, 120, 19768-19777.	3.1	26

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55	From micro- to nanotransport properties in Pr2O3-based thin layers. Journal of Applied Physics, 2005, 98, 044312.	2.5	25
56	Effects of Processing Parameters in the MOCVD Growth of Nanostructured Lanthanum Trifluoride and Oxyfluoride Thin Films. Chemical Vapor Deposition, 2006, 12, 736-741.	1.3	25
57	Perovskite CaCu3Ti4O12 thin films for capacitive applications: From the growth to the nanoscopic imaging of the permittivity. Journal of Applied Physics, 2009, 105, 061634.	2.5	25
58	Synthesis, Characterization, and Mass Transport Properties of a Self-Generating Single-Source Magnesium Precursor for MOCVD of MgF2 Films. Chemistry of Materials, 2009, 21, 2062-2069.	6.7	25
59	Two-step MAPbI₃ deposition by low-vacuum proximity-space-effusion for high-efficiency inverted semitransparent perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 16456-16469.	10.3	25
60	A volatile Pb(II) Î²-Diketonate diglyme complex as a promising precursor for MOCVD of lead oxide films. Inorganica Chimica Acta, 2004, 357, 3927-3933.	2.4	24
61	Morphology-controlled synthesis of NiO films: the role of the precursor and the effect of the substrate nature on the films' structural/optical properties. RSC Advances, 2016, 6, 30813-30823.	3.6	24
62	High capacitance density by CaCu3Ti4O12 thin films. Journal of Applied Physics, 2010, 108, .	2.5	23
63	Controlling the Molecular Self-Assembly into Nanofibers of Amphiphilic Zinc(II) Salophen Complexes. Journal of Physical Chemistry C, 2013, 117, 15335-15341.	3.1	23
64	MOCVD of Platinum (100) Films on Random Hastelloy C276. Chemical Vapor Deposition, 1999, 5, 59-61.	1.3	22
65	Multifunctional Nanocrystalline Thin Films of Er₂O₃: Interplay between Nucleation Kinetics and Film Characteristics. Advanced Functional Materials, 2007, 17, 3607-3612.	14.9	22
66	Chemical stability of CaCu3Ti4O12 thin films grown by MOCVD on different substrates. Thin Solid Films, 2007, 515, 6470-6473.	1.8	22
67	Structural, Optical, and Electrical Characterization of ZnO and Alâ€doped ZnO Thin Films Deposited by MOCVD. Chemical Vapor Deposition, 2009, 15, 327-333.	1.3	22
68	Metal-Organic Chemical Vapor Deposition of Copper and Copper(I) Oxide: Kinetics and Reaction Mechanisms in the Presence of Oxygen. Chemistry of Materials, 1995, 7, 2096-2103.	6.7	20
69	Structural and Optical Properties of Nanocrystalline Er[sub 2]O[sub 3] Thin Films Deposited by a Versatile Low-Pressure MOCVD Approach. Journal of the Electrochemical Society, 2008, 155, G44.	2.9	20
70	Microstructural and Optical Properties Modifications Induced by Plasma and Annealing Treatments of Lanthanum Oxide Solâˆ’Gel Thin Films. Journal of Physical Chemistry C, 2009, 113, 2911-2918.	3.1	20
71	High permittivity cerium oxide thin films on AlGaN/GaN heterostructures. Applied Physics Letters, 2013, 103, .	3.3	20
72	Growth of epitaxial TlBaCaCuO a-axis oriented films on LaAlO3 buffer layers grown on SrTiO3 (100) substrates. Journal of Alloys and Compounds, 1997, 251, 314-317.	5.5	19

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73	Effect of Baî—¸Caî—¸Cu precursor matrix on the formation and properties of superconducting Tl2Ba2Canâ˘'1CunOx films A combined metalorganic chemical vapour deposition and thallium vapour diffusion approach. Journal of Alloys and Compounds, 1997, 251, 332-336.	5.5	19
74	Synthesis, crystal structure and solid-state dynamics of the La(hfa)3Â·Me(OCH2CH2)4OMe (Hhfaâ€…=â€…1,1,1,5,5,5-hexafluoropentane-2,4-dione) precursor for MOCVD applications. Journal of the Chemical Society Dalton Transactions, 1998, , 1509-1512.	1.1	19
75	Kinetic Study of MOCVD Fabrication of Copper(I) and Copper(II) Oxide Films. Chemical Vapor Deposition, 1999, 5, 21-27.	1.3	18
76	Nucleation and Growth of Copper Oxide Films in MOCVD Processes Using the Î²-Ketoiminate Precursor 4,4â€²-(1,2-Ethanediyldinitrilo)bis(2-pentanonate) Copper(II). Chemical Vapor Deposition, 1999, 5, 237-244.	1.3	18
77	Neodymium Î²-diketonate glyme complexes: Synthesis and characterization of volatile precursors for MOCVD applications. Inorganica Chimica Acta, 2009, 362, 4623-4629.	2.4	18
78	A novel MOCVD strategy for the fabrication of cathode in a solid oxide fuel cell: Synthesis of La0.8Sr0.2MnO3 films on YSZ electrolyte pellets. Materials Chemistry and Physics, 2010, 124, 1015-1021.	4.0	18
79	Nanostructured CaF₂:Ln³⁺ (Ln³⁺ =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (Yb<s and Their Upconversion Properties. Advanced Materials Interfaces, 2017, 4, 1700245.	3.7	18
80	Upconverting Er³⁺,Yb³⁺ activated Î²-NaYF₄ thin films: a solution route using a novel sodium Î²-diketonate polyether adduct. New Journal of Chemistry, 2017, 41, 4771-4775.	2.8	18
81	Heterobimetallic Sodium Rare-Earth Complexes: â€œThird-Generationâ€•MOCVD Precursors for the Deposition of NaREF₄ (RE = Y, Gd) Films. Inorganic Chemistry, 2018, 57, 15035-15039.	4.0	18
82	Reproducible synthesis by metal-organic chemical vapour deposition and thallium vapour diffusion of oriented thin-films : intergrowth of and structures. Superconductor Science and Technology, 1996, 9, 570-577.	3.5	17
83	Silver nanoparticles dispersed in polyimide thin film matrix. European Physical Journal D, 1999, 9, 631-633.	1.3	17
84	Dual mode cross slotted filter realized with double-sided Tl2Ba2CaCu2O8films grown by MOCVD. Superconductor Science and Technology, 2001, 14, 406-412.	3.5	17
85	MOCVD of LaAlO3 Films from a Molten Precursor Mixture: Characterization of Liquid, Gas, and Deposited Phases. Chemical Vapor Deposition, 2004, 10, 171-177.	1.3	17
86	Reactivity of ZnO: Impact of polarity and nanostructure. Superlattices and Microstructures, 2005, 38, 291-299.	3.1	17
87	Novel solâ€"gel fabrication of Yb3+/Tm3+ co-doped Î²-NaYF4 thin films and investigation of their upconversion properties. Photochemical and Photobiological Sciences, 2018, 17, 1239-1246.	2.9	17
88	Fabrication of polycrystalline LaAlO3films on Si(100): An MOCVD application of the second-generation La(hfa)3Â· diglyme precursor. Chemical Vapor Deposition, 1997, 3, 306-309.	1.3	16
89	Plasma-assisted metalorganic chemical vapor deposition growth of ZnO thin films. Journal of Materials Research, 2006, 21, 1632-1637.	2.6	16
90	Growth of ZnO Nanostructures Produced by MOCVD: A Study of the Effect of the Substrate. Chemical Vapor Deposition, 2008, 14, 115-122.	1.3	16

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91	Upconverting tri-doped calcium fluoride-based thin films: a comparison of the MOCVD and solâ€“gel preparation methods. Journal of Materials Chemistry C, 2020, 8, 3865-3877.	5.5	16
92	Synthesis and characterization of La2â€“xBaxCuO4+Î´ thin film through a simple MOCVD approach. Journal of Materials Chemistry, 2005, 15, 4718.	6.7	15
93	Effects of high temperature annealing on MOCVD grown CaCu3Ti4O12 films on LaAlO3 substrates. Surface and Coatings Technology, 2007, 201, 9243-9247.	4.8	15
94	Heteroepitaxy of high-Tc superconducting Tlî—¸Baî—¸Caî—¸Cuî—¸O films on metal-coated substrates. Thin Solid Films, 1992, 216, 45-48.	1.8	14
95	Cathodoluminescence Investigation of Residual Stress in Er3+:YAlO3Thin Films Grown on (110) SrTiO3Substrate by Metal-Organic Chemical Vapor Deposition. Journal of Physical Chemistry B, 2006, 110, 23977-23981.	2.6	14
96	A Novel Manganese(II) MOCVD Precursor: Synthesis, Characterization, and Mass Transport Properties of Mn(hfa)₂â€¢tmeda. Chemical Vapor Deposition, 2013, 19, 22-28.	1.3	14
97	Superconducting antennas for telecommunication applications based on dual mode cross slotted patches. Physica C: Superconductivity and Its Applications, 2002, 372-376, 500-503.	1.2	13
98	An MOCVD Approach to High-k Praseodymium-Based Films. Chemical Vapor Deposition, 2006, 12, 109-124.	1.3	13
99	MOCVD Fabrication of Magnesium Fluoride Films: Effects of Deposition Parameters on Structure and Morphology. Chemical Vapor Deposition, 2011, 17, 80-87.	1.3	13
100	MOCVD Growth of Perovskite Multiferroic BiFeO₃ Films: The Effect of Doping at the A and/or B Sites on the Structural, Morphological and Ferroelectric Properties. Advanced Materials Interfaces, 2017, 4, 1601025.	3.7	13
101	A Facile One-Pot Approach to the Synthesis of Gd-Eu Based Metal-Organic Frameworks and Applications to Sensing of Fe3+ and Cr2O72âˆ' Ions. Sensors, 2021, 21, 1679.	3.8	13
102	Surfactant-Free Synthesis of the Full Inorganic Perovskite CsPbBr₃: Evolution and Phase Stability of CsPbBr₃ vs CsPb₂Br₅ and Their Photocatalytic Properties. ACS Applied Energy Materials, 2021, 4, 9431-9439.	5.1	13
103	A metal-organic chemical vapor deposition approach to double-sided Tl2Ba2Ca1Cu2O8superconducting films on LaAlO3(100) substrates. Journal of Materials Chemistry, 2002, 12, 3728-3732.	6.7	12
104	Multifunctional cadmium single source precursor for the selective deposition of CdO or CdS by a solution route. Chemical Communications, 2005, , 5681.	4.1	12
105	Praseodymium based high-k dielectrics grown on Si and SiC substrates. Materials Science in Semiconductor Processing, 2006, 9, 1073-1078.	4.0	12
106	Controlled large-scale fabrication of sea sponge-like ZnO nanoarchitectures on textured silicon. CrystEngComm, 2009, 11, 2770.	2.6	12
107	Piezoelectric domains in BiFeO3 films grown via MOCVD: Structure/property relationship. Surface and Coatings Technology, 2013, 230, 168-173.	4.8	12
108	An insight into the epitaxial nanostructures of NiO and CeO2 thin film dielectrics for AlGaN/GaN heterostructures. Materials Chemistry and Physics, 2015, 162, 461-468.	4.0	12

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109	Deposition of metallic silver coatings by Aerosol Assisted MOCVD using two new silver Î²-diketonate adduct metalorganic precursors. Dalton Transactions, 2017, 46, 10986-10995.	3.3	12
110	Surface anchoring of bi-functional organic linkers on piezoelectric BiFeO 3 films and particles: Comparison between carboxylic and phosphonic tethering groups. Surface and Coatings Technology, 2018, 343, 75-82.	4.8	12
111	Effects of deposition temperature on the microstructural and electrical properties of praseodymium oxide-based films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 118, 117-121.	3.5	11
112	Vapochromic and chemiresistive characteristics of a nanostructured molecular material composed of a zinc(<scp>ii</scp>)-salophen complex. Dalton Transactions, 2018, 47, 15977-15982.	3.3	11
113	Facile synthesis of novel lithium Î²-diketonate glyme adducts: the effect of molecular engineering on the thermal properties. Dalton Transactions, 2020, 49, 1002-1006.	3.3	11
114	Piezoelectric BiFeO3 Thin Films: Optimization of MOCVD Process on Si. Nanomaterials, 2020, 10, 630.	4.1	11
115	MOCVD Growth, Micro-Structural, and Superconducting Properties ofa-Axis Oriented TlBaCaCuO Thin Films. Chemistry of Materials, 2004, 16, 608-613.	6.7	10
116	Effect of growth parameters on crystallinity and properties of ZnO films grown by plasma assisted MOCVD. Superlattices and Microstructures, 2007, 42, 40-46.	3.1	10
117	A novel approach to grow ZnOnanowires and nanoholes by combined colloidal lithography and MOCVD deposition. Chemical Communications, 2009, , 839-841.	4.1	10
118	Fascinating Role of the Number of f Electrons in Dipolar and Octupolar Contributions to Quadratic Hyperpolarizability of Trinuclear Lanthanides-Biscopper Schiff Base Complexes. Inorganic Chemistry, 2013, 52, 7550-7556.	4.0	10
119	Metalâ€Organic Chemical Vapor Deposition (MOCVD) Synthesis of Heteroepitaxial Pr_{0.7}Ca_{0.3}MnO₃ Films: Effects of Processing Conditions on Structural/Morphological and Functional Properties. ChemistryOpen, 2015, 4, 523-532.	1.9	10
120	Energy conversion systems: Molecular architecture engineering of metal precursors and their applications to vapor phase and solution routes. Journal of Materials Research, 2020, 35, 2950-2966.	2.6	10
121	Novel MOCVD approach to the low pressure in situ growth of TlBa2CaCu2O7 films. Physica C: Superconductivity and Its Applications, 2004, 408-410, 894-895.	1.2	9
122	Inâ€Situ Growth and Characterization of Highly Textured La_{0.9}Sr_{0.1}MnO₃ Films on LaAlO₃(100) Substrates. Chemical Vapor Deposition, 2010, 16, 143-150.	1.3	9
123	BiFeO₃ Films Doped in the A or B Sites: Effects on the Structural and Morphological Properties. Journal of Nanoscience and Nanotechnology, 2011, 11, 8221-8225.	0.9	9
124	Pomponâ€Like MnF₂ Nanostructures from a Singleâ€Source Precursor through Atmospheric Pressure Chemical Vapor Deposition. European Journal of Inorganic Chemistry, 2012, 2012, 1021-1024.	2.0	9
125	Morphology and surface properties of YBCO and TBCCO thin films: influence of etching processes. Physica C: Superconductivity and Its Applications, 1996, 271, 83-93.	1.2	8
126	Template-Free and Seedless Growth of Pt Nanocolumns: Imaging and Probing Their Nanoelectrical Properties. ACS Nano, 2007, 1, 183-190.	14.6	8

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127	Precursor adsorption efficiency of titanium tetra isopropoxide in the presence of a barium Î²-diketonate precursor. Surface and Coatings Technology, 2013, 230, 297-304.	4.8	8
128	Phaseâ€selective Route to Vâ€O Film Formation: A Systematic MOCVD Study Into the Effects of Deposition Temperature on Structure and Morphology. Chemical Vapor Deposition, 2015, 21, 319-326.	1.3	8
129	Piezoelectric Ba and Ti co-doped BiFeO₃ textured films: selective growth of solid solutions or nanocomposites. Journal of Materials Chemistry C, 2020, 8, 16168-16179.	5.5	8
130	An MOCVD Route to Barium Borate Thin Films from a Barium Hydroâ€tri(1â€pyrazolyl)borate Singleâ€Source Precursor. Chemical Vapor Deposition, 2007, 13, 651-655.	1.3	7
131	Heteroepitaxial YAlO₃ Films on (100)SrTiO₃ Substrates: The Use of Pole Figures as a Nonâ€invasive Tool to Assess the Direction of Growth. Chemical Vapor Deposition, 2008, 14, 46-50.	1.3	7
132	Perovskite LaCoO3 thin films on single crystal substrates: MOCVD growth and characterization. Surface and Coatings Technology, 2013, 230, 174-179.	4.8	7
133	Spatially Confined Functionalization of Transparent NiO Thin Films with a Luminescent (1,10â€Phenanthroline)tris(2â€thenoyltrifluoroacetonato)europium Monolayer. European Journal of Inorganic Chemistry, 2015, 2015, 1261-1268.	2.0	7
134	Lead-Free LiNbO3 Thick Film MEMS Kinetic Cantilever Beam Sensor/Energy Harvester. Sensors, 2022, 22, 559.	3.8	7
135	Sensing enhancement of a Fabry-Perot THz cavity using switchable VO₂ mirrors. Optics Express, 2022, 30, 19402.	3.4	7
136	Synthesis, X-ray Structure, and Characterization of Ag(hfa)Â·Tetraglyme [hfa = Hexafluoroacetylacetonate]:Â A Novel Adduct for the Fabrication of Metallic Silver Based Films via in Situ Self Reduction. Chemistry of Materials, 2000, 12, 293-293.	6.7	6
137	Superconducting miniaturized antennas based on dual-mode cross-slotted patches. Superconductor Science and Technology, 2002, 15, 581-585.	3.5	6
138	Study of Andreev reflections in Tl2Ba2CaCu2O8/Ag interfaces. Physica C: Superconductivity and Its Applications, 2002, 367, 170-173.	1.2	6
139	Synthesis, crystal structure and mass transport properties of novel thallium ion precursors for MOCVD applications. Dalton Transactions, 2003, , 369-374.	3.3	6
140	Plasma ehnancement of metalorganic chemical vapor deposition and properties of Er2O3 nanostructured thin films. Applied Physics Letters, 2007, 91, 061923.	3.3	6
141	Magnesium hydrotris(1-pyrazolyl)borate as a promising single source MOCVD precursor of magnesium borate phases. Inorganica Chimica Acta, 2007, 360, 1138-1142.	2.4	6
142	Control of Heteroepitaxial Growth of CaCu₃Ti₄O₁₂ Films on SrTiO₃ Substrates by MOCVD. Chemical Vapor Deposition, 2012, 18, 76-82.	1.3	6
143	Supramolecular assembly of a succinyl-calix[4]arene derivative in multilamellar vesicles. Supramolecular Chemistry, 2016, 28, 377-383.	1.2	6
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