Alberto Gasparotto

List of Publications by Year
in descending order

213 papers	7,313 citations	61687 45 h-index	90395 73 g-index
225 all docs	225 docs citations	225 times ranked	9721 citing authors

#	Article	IF	Citations
1	Enhanced photocatalytic removal of NOx gases by Î²-Fe2O3/CuO and Î²-Fe2O3/WO3 nanoheterostructures. Chemical Engineering Journal, 2022, 430, 132757.	6.6	16
2	A versatile Fe(II) diketonate diamine adduct: Preparation, characterization and validation in the chemical vapor deposition of iron oxide nanomaterials. Materials Chemistry and Physics, 2022, 277, 125534.	2.0	7
3	Metal Oxide Nanosystems As Chemoresistive Gas Sensors for Chemical Warfare Agents: A Focused Review. Advanced Materials Interfaces, 2022, 9, .	1.9	14
4	Tailoring oxygen evolution performances of carbon nitride systems fabricated by electrophoresis through Ag and Au plasma functionalization. Chemical Engineering Journal, 2022, 448, 137645.	6.6	12
5	Selective anodes for seawater splitting via functionalization of manganese oxides by a plasma-assisted process. Applied Catalysis B: Environmental, 2021, 284, 119684.	10.8	73
6	Facile preparation of a cobalt diamine diketonate adduct as a potential vapor phase precursor for Co₃O₄films. Dalton Transactions, 2021, 50, 10374-10385.	1.6	9
7	The Early Steps of Molecule-to-Material Conversion in Chemical Vapor Deposition (CVD): A Case Study. Molecules, 2021, 26, 1988.	1.7	9
8	Plasmaâ€Assisted Synthesis of Co₃O₄â€Based Electrocatalysts on Ni Foam Substrates for the Oxygen Evolution Reaction. Advanced Materials Interfaces, 2021, 8, 2100763.	1.9	12
9	Analysis of Co3O4-SnO2 and Co3O4-Fe2O3 nanosystems by x-ray photoelectron spectroscopy. Surface Science Spectra, 2021, 28, 024002.	0.3	3
10	Plasmaâ€Assisted Synthesis of Co₃O₄â€Based Electrocatalysts on Ni Foam Substrates for the Oxygen Evolution Reaction (Adv. Mater. Interfaces 18/2021). Advanced Materials Interfaces, 2021, 8, 2170099.	1.9	0
11	Fe2O3-WO3 and Fe2O3-CuO nanoheterostructures by XPS. Surface Science Spectra, 2021, 28, .	0.3	2
12	Manganese Oxide Nanoarchitectures as Chemoresistive Gas Sensors to Monitor Fruit Ripening. Journal of Nanoscience and Nanotechnology, 2020, 20, 3025-3030.	0.9	15
13	Auâ€"Manganese Oxide Nanostructures by a Plasmaâ€Assisted Process as Electrocatalysts for Oxygen Evolution: A Chemicoâ€Physical Investigation. Advanced Sustainable Systems, 2020, , 2000177.	2.7	5
14	Engineering Au/MnO₂ hierarchical nanoarchitectures for ethanol electrochemical valorization. Journal of Materials Chemistry A, 2020, 8, 16902-16907.	5.2	18
15	Plasma-Assisted Chemical Vapor Deposition of F-Doped MnO2 Nanostructures on Single Crystal Substrates. Nanomaterials, 2020, 10, 1335.	1.9	5
16	XPS characterization of Mn2O3 nanomaterials functionalized with Ag and SnO2. Surface Science Spectra, 2020, 27, .	0.3	8
17	MnO2 nanomaterials functionalized with Ag and SnO2: An XPS study. Surface Science Spectra, 2020, 27, 024005.	0.3	6
18	Quasi-1D Mn₂O₃ Nanostructures Functionalized with First-Row Transition-Metal Oxides as Oxygen Evolution Catalysts. ACS Applied Nano Materials, 2020, 3, 9889-9898.	2.4	12

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19	Dual Improvement of <i>Î²</i>â€MnO₂ Oxygen Evolution Electrocatalysts via Combined Substrate Control and Surface Engineering. ChemCatChem, 2020, 12, 5984-5992.	1.8	5
20	Hydrogen Gas Sensing Performances of p-Type Mn3O4 Nanosystems: The Role of Built-in Mn3O4/Ag and Mn3O4/SnO2 Junctions. Nanomaterials, 2020, 10, 511.	1.9	14
21	Quasi-1D MnO2 nanocomposites as gas sensors for hazardous chemicals. Applied Surface Science, 2020, 512, 145667.	3.1	35
22	Nanoscale Mn₃O₄ Thin Film Photoelectrodes Fabricated by a Vapor-Phase Route. ACS Applied Energy Materials, 2019, 2, 8294-8302.	2.5	6
23	Mn₃O₄ Nanomaterials Functionalized with Fe₂O₃ and ZnO: Fabrication, Characterization, and Ammonia Sensing Properties. Advanced Materials Interfaces, 2019, 6, 1901239.	1.9	12
24	Pt and Pt/Sn carbonyl clusters as precursors for the synthesis of supported metal catalysts for the base-free oxidation of HMF. Applied Catalysis A: General, 2019, 588, 117279.	2.2	34
25	Multi-functional MnO₂ nanomaterials for photo-activated applications by a plasma-assisted fabrication route. Nanoscale, 2019, 11, 98-108.	2.8	30
26	Sensing Nitrogen Mustard Gas Simulant at the ppb Scale via Selective Dual-Site Activation at Au/Mn₃O₄ Interfaces. ACS Applied Materials & Interfaces, 2019, 11, 23692-23700.	4.0	26
27	Controlled Surface Modification of ZnO Nanostructures with Amorphous TiO₂ for Photoelectrochemical Water Splitting. Advanced Sustainable Systems, 2019, 3, 1900046.	2.7	15
28	Surface Functionalization of Grown-on-Tip ZnO Nanopyramids: From Fabrication to Light-Triggered Applications. ACS Applied Materials & Interfaces, 2019, 11, 15881-15890.	4.0	7
29	Chemical Vapor Deposition: Mn₃O₄ Nanomaterials Functionalized with Fe₂O₃ and ZnO: Fabrication, Characterization, and Ammonia Sensing Properties (Adv. Mater. Interfaces 24/2019). Advanced Materials Interfaces, 2019, 6, 1970151.	1.9	0
30	Structure and properties of Mn3O4 thin films grown on single crystal substrates by chemical vapor deposition. Materials Chemistry and Physics, 2019, 223, 591-596.	2.0	16
31	Controlled Growth of Supported ZnO Inverted Nanopyramids with Downward Pointing Tips. Crystal Growth and Design, 2018, 18, 2579-2587.	1.4	10
32	Toward the Detection of Poisonous Chemicals and Warfare Agents by Functional Mn₃O₄ Nanosystems. ACS Applied Materials & Interfaces, 2018, 10, 12305-12310.	4.0	28
33	Supported Mn₃O₄ Nanosystems for Hydrogen Production through Ethanol Photoreforming. Langmuir, 2018, 34, 4568-4574.	1.6	13
34	WO₃-decorated ZnO nanostructures for light-activated applications. CrystEngComm, 2018, 20, 1282-1290.	1.3	28
35	Manganese(II) Molecular Sources for Plasma-Assisted CVD of Mn Oxides and Fluorides: From Precursors to Growth Process. Journal of Physical Chemistry C, 2018, 122, 1367-1375.	1.5	34
36	Controllable vapor phase fabrication of F:Mn₃O₄thin films functionalized with Ag and TiO₂. CrystEngComm, 2018, 20, 3016-3024.	1.3	15

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37	Insights into the Plasma-Assisted Fabrication and Nanoscopic Investigation of Tailored MnO₂ Nanomaterials. Inorganic Chemistry, 2018, 57, 14564-14573.	1.9	9
38	ZnO-based nanocomposites prepared by a vapor phase route, investigated by XPS. Surface Science Spectra, 2018, 25, .	0.3	3
39	XPS investigation of F-doped MnO2 nanosystems fabricated by plasma assisted-CVD. Surface Science Spectra, 2018, 25, .	0.3	12
40	Plasmaâ€Assisted Growth of Î²â€MnO₂ Nanosystems as Gas Sensors for Safety and Food Industry Applications. Advanced Materials Interfaces, 2018, 5, 1800792.	1.9	28
41	Metal oxide electrodes for photo-activated water splitting. , 2018, , 19-48.		4
42	Tailoring Vapor-Phase Fabrication of Mn₃O₄ Nanosystems: From Synthesis to Gas-Sensing Applications. ACS Applied Nano Materials, 2018, 1, 2962-2970.	2.4	26
43	Mn3O4 thin films functionalized with Ag, Au, and TiO2 analyzed using x-ray photoelectron spectroscopy. Surface Science Spectra, 2018, 25, 014003.	0.3	12
44	Vapor Phase Fabrication of Nanoheterostructures Based on ZnO for Photoelectrochemical Water Splitting. Advanced Materials Interfaces, 2017, 4, 1700161.	1.9	30
45	Molecular Engineering of Mn^{II} Diamine Diketonate Precursors for the Vapor Deposition of Manganese Oxide Nanostructures. Chemistry - A European Journal, 2017, 23, 17954-17963.	1.7	33
46	On the use of Fe(dpm)₃ as precursor for the thermalâ€CVD growth of <i>hematite</i> nanostructures. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600779.	0.8	8
47	Hematite-based nanocomposites for light-activated applications: Synergistic role of TiO2 and Au introduction. Solar Energy Materials and Solar Cells, 2017, 159, 456-466.	3.0	30
48	XPS analysis of Fe2O3-TiO2-Au nanocomposites prepared by a plasma-assisted route. Surface Science Spectra, 2016, 23, 61-69.	0.3	10
49	Fe2O3-WO3 nanosystems synthesized by a hybrid CVD/sputtering route, and analyzed by X-ray photoelectron spectroscopy. Surface Science Spectra, 2016, 23, 93-101.	0.3	4
50	Fe2O3-TiO2 nanocomposites on activated carbon fibers by a plasma-assisted approach. Surface and Coatings Technology, 2016, 307, 352-358.	2.2	10
51	Advances in photocatalytic NO_x abatement through the use of Fe₂O₃/TiO₂ nanocomposites. RSC Advances, 2016, 6, 74878-74885.	1.7	39
52	Novel two-step vapor-phase synthesis of UVâ€“Vis light active Fe2O3/WO3 nanocomposites for phenol degradation. Environmental Science and Pollution Research, 2016, 23, 20350-20359.	2.7	12
53	Plasmaâ€Assisted Fabrication of Fe₂O₃ï£¿Co₃O₄ Nanomaterials as Anodes for Photoelectrochemical Water Splitting. Plasma Processes and Polymers, 2016, 13, 191-200.	1.6	39
54	Hydrogen Production: Iron-Titanium Oxide Nanocomposites Functionalized with Gold Particles: From Design to Solar Hydrogen Production (Adv. Mater. Interfaces 16/2016). Advanced Materials Interfaces, 2016, 3, .	1.9	0

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55	Ironâ€“Titanium Oxide Nanocomposites Functionalized with Gold Particles: From Design to Solar Hydrogen Production. Advanced Materials Interfaces, 2016, 3, 1600348.	1.9	18
56	TiO2-Fe2O3 and Co3O4-Fe2O3 nanocomposites analyzed by X-ray Photoelectron Spectroscopy. Surface Science Spectra, 2015, 22, 34-46.	0.3	7
57	Fe₂O₃â€“TiO₂ Nanoâ€heterostructure Photoanodes for Highly Efficient Solar Water Oxidation. Advanced Materials Interfaces, 2015, 2, 1500313.	1.9	103
58	PECVD of <i>Hematite</i> Nanoblades and Nanocolumns: Synthesis, Characterization, and Growth Model. Chemical Vapor Deposition, 2015, 21, 294-299.	1.4	12
59	Interplay of thickness and photoelectrochemical properties in nanostructured Î±-Fe₂ O₃ thin films. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1501-1507.	0.8	21
60	Electrical characteristics of vapor deposited amorphous MoS2 two-terminal structures and back gate thin film transistors with Al, Au, Cu and Ni-Au contacts. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 975-979.	0.8	3
61	Hot-wire vapor deposition of amorphous MoS2 thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 969-974.	0.8	4
62	An old workhorse for new applications: Fe(dpm)₃ as a precursor for low-temperature PECVD of iron(<scp>iii</scp>) oxide. Physical Chemistry Chemical Physics, 2015, 17, 11174-11181.	1.3	20
63	Fe₂O₃â€“TiO₂nanosystems by a hybrid PE-CVD/ALD approach: controllable synthesis, growth mechanism, and photocatalytic properties. CrystEngComm, 2015, 17, 6219-6226.	1.3	37
64	A study of Pt/Î±-Fe2O3 Nanocomposites by XPS. Surface Science Spectra, 2015, 22, 47-57.	0.3	10
65	Pt-functionalized Fe₂O₃photoanodes for solar water splitting: the role of hematite nano-organization and the platinum redox state. Physical Chemistry Chemical Physics, 2015, 17, 12899-12907.	1.3	45
66	Vapor Phase Processing of Î±-Fe₂O₃Photoelectrodes for Water Splitting: An Insight into the Structure/Property Interplay. ACS Applied Materials & Interfaces, 2015, 7, 8667-8676.	4.0	76
67	Fabrication and Characterization of Fe₂O₃-Based Nanostructures Functionalized with Metal Particles and Oxide Overlayers. Journal of Advanced Microscopy Research, 2015, 10, 239-243.	0.3	0
68	Fe2O3-CuO Nanocomposites Prepared by a Two-step Vapor Phase Strategy and Analyzed by XPS. Surface Science Spectra, 2014, 21, 1-9.	0.3	6
69	Opening the Pandora's jar of molecule-to-material conversion in chemical vapor deposition: Insights from theory. International Journal of Quantum Chemistry, 2014, 114, 1-7.	1.0	20
70	Surface Decoration of <i>Ïµ</i>â€Fe₂O₃ Nanorods by CuO Via a Twoâ€Step CVD/Sputtering Approach**. Chemical Vapor Deposition, 2014, 20, 313-319.	1.4	11
71	Self-Cleaning and Anti-Fogging Surfaces Based on Nanostructured Metal Oxides. Advances in Science and Technology, 2014, 91, 39-47.	0.2	3
72	Tailoring iron(<scp>III</scp>) oxide nanomorphology by chemical vapor deposition: Growth and characterization. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 316-322.	0.8	12

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73	Enhanced Hydrogen Production by Photoreforming of Renewable Oxygenates Through Nanostructured Fe₂O₃ Polymorphs. Advanced Functional Materials, 2014, 24, 372-378.	7.8	146
74	CVD precursors for transition metal oxide nanostructures: molecular properties, surface behavior and temperature effects. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 251-259.	0.8	24
75	Rational synthesis of F-doped iron oxides on Al2O3(0001) single crystals. RSC Advances, 2014, 4, 52140-52146.	1.7	7
76	A plasma-assisted approach for the controlled dispersion of CuO aggregates into Î² iron(<scp>iii</scp>) oxide matrices. CrystEngComm, 2014, 16, 8710-8716.	1.3	29
77	Fe 2 O 3 nanostructures on SrTiO 3 (1 1 1) by chemical vapor deposition: Growth and characterization. Materials Letters, 2014, 136, 141-145.	1.3	5
78	Solar H2generation via ethanol photoreforming on Îµ-Fe2O3nanorod arrays activated by Ag and Au nanoparticles. RSC Advances, 2014, 4, 32174.	1.7	40
79	Au/Îµ-Fe₂O₃ Nanocomposites as Selective NO₂ Gas Sensors. Journal of Physical Chemistry C, 2014, 118, 11813-11819.	1.5	81
80	Nanostructured iron(III) oxides: From design to gas- and liquid-phase photo-catalytic applications. Thin Solid Films, 2014, 564, 121-127.	0.8	28
81	Surface Functionalization of Nanostructured Fe₂O₃ Polymorphs: From Design to Light-Activated Applications. ACS Applied Materials & Interfaces, 2013, 5, 7130-7138.	4.0	44
82	Microfabrication of MOS H2 sensors based on Pd-gate deposited by pulsed laser ablation. Sensors and Actuators B: Chemical, 2013, 186, 180-185.	4.0	2
83	Photoassisted H2 production by metal oxide nanomaterials fabricated through CVD-based approaches. Surface and Coatings Technology, 2013, 230, 219-227.	2.2	21
84	Columnar Fe2O3 arrays via plasma-enhanced growth: Interplay of fluorine substitution and photoelectrochemical properties. International Journal of Hydrogen Energy, 2013, 38, 14189-14199.	3.8	63
85	Fluorine doped Fe2O3 nanostructures by a one-pot plasma-assisted strategy. RSC Advances, 2013, 3, 23762.	1.7	26
86	<I>A Special Issue on</I> Plasma Processing of Nanomaterials. Nanoscience and Nanotechnology Letters, 2013, 4, 209-210.	0.4	0
87	Fluorine-Doped Iron Oxide Nanomaterials by Plasma Enhanced-CVD: An XPS Study. Surface Science Spectra, 2013, 20, 9-16.	0.3	10
88	Insights on Growth and Nanoscopic Investigation of Uncommon Iron Oxide Polymorphs. European Journal of Inorganic Chemistry, 2013, 2013, 5454-5461.	1.0	25
89	Supported F-Doped <I>Î±</I>-Fe₂O₃ Nanomaterials: Synthesis, Characterization and Photo-Assisted H₂ Production. Journal of Nanoscience and Nanotechnology, 2013, 13, 4962-4968.	0.9	42
90	Ag and Pt Particles Sputtered on Î²-Fe2O3: An XPS Investigation. Surface Science Spectra, 2012, 19, 1-12.	0.3	16

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91	Controlled synthesis and properties of Î²-Fe2O3 nanosystems functionalized with Ag or Pt nanoparticles. CrystEngComm, 2012, 14, 6469.	1.3	51
92	Epitaxial-like Growth of Co₃O₄/ZnO Quasi-1D Nanocomposites. Crystal Growth and Design, 2012, 12, 5118-5124.	1.4	22
93	Vaporâ€Phase Fabrication of Î²â€Iron Oxide Nanopyramids for Lithiumâ€Ion Battery Anodes. ChemPhysChem, 2012, 13, 3798-3801.	1.0	21
94	Î²-Fe₂O₃nanomaterials from an iron(<scp>ii</scp>) diketonate-diamine complex: a study from molecular precursor to growth process. Dalton Transactions, 2012, 41, 149-155.	1.6	63
95	Ag/ZnO nanomaterials as high performance sensors for flammable and toxic gases. Nanotechnology, 2012, 23, 025502.	1.3	48
96	Multi-component oxide nanosystems by Chemical Vapor Deposition and related routes: challenges and perspectives. CrystEngComm, 2012, 14, 6347.	1.3	41
97	On the Performances of Cu_{<i>x</i>}O-TiO₂ (<i>x</i> = 1, 2) Nanomaterials As Innovative Anodes for Thin Film Lithium Batteries. ACS Applied Materials & Interfaces, 2012, 4, 3610-3619.	4.0	64
98	Co₃O₄/ZnO Nanocomposites: From Plasma Synthesis to Gas Sensing Applications. ACS Applied Materials & Interfaces, 2012, 4, 928-934.	4.0	141
99	Vertically oriented CuO/ZnO nanorod arrays: from plasma-assisted synthesis to photocatalytic H2 production. Journal of Materials Chemistry, 2012, 22, 11739.	6.7	108
100	CuO/ZnO Nanocomposite Gas Sensors Developed by a Plasmaâ€Assisted Route. ChemPhysChem, 2012, 13, 2342-2348.	1.0	55
101	Manufacturing of inorganic nanomaterials: concepts and perspectives. Nanoscale, 2012, 4, 2813.	2.8	43
102	An iron(II) diamine diketonate molecular complex: Synthesis, characterization and application in the CVD of Fe2O3 thin films. Inorganica Chimica Acta, 2012, 380, 161-166.	1.2	40
103	Zinc and Copper Oxides Functionalized with Metal Nanoparticles: An Insight Into Their Nano-Organization. Journal of Advanced Microscopy Research, 2012, 7, 84-90.	0.3	2
104	Metal/oxide interfaces in inorganic nanosystems: what's going on and what's next?. Journal of Materials Chemistry, 2011, 21, 1648-1654.	6.7	28
105	Strongly oriented Co3O4 thin films on MgO(100) and MgAl2O4(100) substrates by PE-CVD. CrystEngComm, 2011, 13, 3670.	1.3	26
106	Tailored Vapor-Phase Growth of Cu_{<i>x</i>}Oâ€“TiO₂ (<i>x</i> = 1, 2) Nanomaterials Decorated with Au Particles. Langmuir, 2011, 27, 6409-6417.	1.6	42
107	Stability Study of a Magnesium Î²-Diketonate As Precursor for Chemical Vapor Deposition of MgO. Chemistry of Materials, 2011, 23, 1113-1119.	3.2	20
108	F-Doped Co₃O₄ Photocatalysts for Sustainable H₂ Generation from Water/Ethanol. Journal of the American Chemical Society, 2011, 133, 19362-19365.	6.6	171

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109	Malonate complexes of dysprosium: synthesis, characterization and application for LI-MOCVD of dysprosium containing thin films. Dalton Transactions, 2011, 40, 62-78.	1.6	21
110	Novel Synthesis and Gas Sensing Performances of CuOâ€“TiO₂ Nanocomposites Functionalized with Au Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 10510-10517.	1.5	133
111	Fe2O3-TiO2 systems grown by MOCVD: an XPS study. Surface Science Spectra, 2011, 18, 29-35.	0.3	10
112	Surface-Driven Porphyrin Self-Assembly on Pre-Activated Si Substrates. Journal of Nanoscience and Nanotechnology, 2011, 11, 3235-3244.	0.9	1
113	Atomic Vapor Deposition Approach to In₂O₃ Thin Films. Journal of Nanoscience and Nanotechnology, 2011, 11, 8094-8100.	0.9	8
114	Plasma enhanced-CVD of undoped and fluorine-doped Co3O4 nanosystems for novel gas sensors. Sensors and Actuators B: Chemical, 2011, 160, 79-86.	4.0	56
115	Plasma-assisted synthesis of Ag/ZnO nanocomposites: First example of photo-induced H2 production and sensing. International Journal of Hydrogen Energy, 2011, 36, 15527-15537.	3.8	79
116	Supported Metal Oxide Nanosystems for Hydrogen Photogeneration: Quo Vadis?. Advanced Functional Materials, 2011, 21, 2611-2623.	7.8	126
117	Hydrogen Photogeneration: Supported Metal Oxide Nanosystems for Hydrogen Photogeneration: Quo Vadis? (Adv. Funct. Mater. 14/2011). Advanced Functional Materials, 2011, 21, 2610-2610.	7.8	1
118	Photocatalytic H₂ and Addedâ€Value Byâ€Products â€“ The Role of Metal Oxide Systems in Their Synthesis from Oxygenates. European Journal of Inorganic Chemistry, 2011, 2011, 4309-4323.	1.0	134
119	Synergistic Role of B and F Dopants in Promoting the Photocatalytic Activity of <i>Rutile</i> TiO₂. ChemPhysChem, 2011, 12, 2221-2224.	1.0	42
120	MOCVD of ZnO Films from <i>Bis</i>(Ketoiminato)Zn(II) Precursors: Structure, Morphology and Optical Properties. Chemical Vapor Deposition, 2011, 17, 155-161.	1.4	27
121	How Does Cu^{II} Convert into Cu^I? An Unexpected Ringâ€Mediated Singleâ€Electron Reduction. Chemistry - A European Journal, 2011, 17, 10864-10870.	1.7	31
122	Plasma Processing of Nanomaterials: Emerging Technologies for Sensing and Energy Applications. Journal of Nanoscience and Nanotechnology, 2011, 11, 8206-8213.	0.9	27
123	p-Co3O4/n-ZnO, Obtained by PECVD, Analyzed by X-ray Photoelectron Spectroscopy. Surface Science Spectra, 2011, 18, 36-45.	0.3	8
124	Ag/ZnO Nanocomposites Studied by X-ray Photoelectron Spectroscopy. Surface Science Spectra, 2011, 18, 19-28.	0.3	8
125	RF-sputtering preparation of gold-nanoparticle-modified ITO electrodes for electrocatalytic applications. Nanotechnology, 2011, 22, 275711.	1.3	21
126	Cobalt Oxide Nanomaterials by Vapor-Phase Synthesis for Fast and Reversible Lithium Storage. Journal of Physical Chemistry C, 2010, 114, 10054-10060.	1.5	61

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127	ZnO Nanorod Arrays by Plasmaâ€Enhanced CVD for Lightâ€Activated Functional Applications. ChemPhysChem, 2010, 11, 2337-2340.	1.0	40
128	Special Issue on â€˜CVD and Hydrogenâ€™. Chemical Vapor Deposition, 2010, 16, 264-265.	1.4	0
129	CVD Co₃O₄ Nanopyramids: a Nanoâ€Platform for Photoâ€Assisted H₂ Production. Chemical Vapor Deposition, 2010, 16, 296-300.	1.4	29
130	Heteroleptic Guanidinateâ€•and Amidinateâ€Based Complexes of Hafnium as New Precursors for MOCVD of HfO₂. European Journal of Inorganic Chemistry, 2010, 2010, 1679-01688.	1.0	28
131	â€œHotâ€•Surface Activation of Molecular Complexes: Insight from Modeling Studies. Angewandte Chemie - International Edition, 2010, 49, 1944-1948.	7.2	50
132	1D ZnO nano-assemblies by Plasma-CVD as chemical sensors for flammable and toxic gases. Sensors and Actuators B: Chemical, 2010, 149, 1-7.	4.0	169
133	Novel insight into the alignment and structural ordering of supported ZnO nanorods. Chemical Physics Letters, 2010, 500, 287-290.	1.2	25
134	CuO/ZnO Nanocomposites Investigated by X-ray Photoelectron and X-ray Excited Auger Electron Spectroscopies. Surface Science Spectra, 2010, 17, 93-101.	0.3	9
135	Vapor Phase Synthesis, Characterization and Gas Sensing Performances of Co₃O₄ and Au/Co₃O₄ Nanosystems. Journal of Nanoscience and Nanotechnology, 2010, 10, 8054-8061.	0.9	35
136	Highly Oriented ZnO Nanorod Arrays by a Novel Plasma Chemical Vapor Deposition Process. Crystal Growth and Design, 2010, 10, 2011-2018.	1.4	89
137	Controlled vapor-phase synthesis of cobalt oxide nanomaterials with tuned composition and spatial organization. CrystEngComm, 2010, 12, 2185.	1.3	110
138	Urchin-like ZnO nanorod arrays for gas sensing applications. CrystEngComm, 2010, 12, 3419.	1.3	90
139	CuxO - TiO2Composites (x=1, 2) Studied by X-ray Photoelectron Spectroscopy. Surface Science Spectra, 2009, 16, 1-12.	0.3	11
140	Chemical Vapor Deposition of Cu<inf>2</inf>O and CuO nanosystems for innovative gas sensors. , 2009, , .		3
141	Innovative M(Hfa)2â€¢TMEDA (M=Cu, Co) Precursors for the CVD of Copper-Cobalt Oxides: an Integrated Theoretical and Experimental Approach. ECS Transactions, 2009, 25, 549-556.	0.3	10
142	MOCVD of Niobium Nitrides and Oxy-Nitrides using an All-Nitrogen-Coordinated Precursor: Thin-film Deposition and Mechanistic Study. ECS Transactions, 2009, 16, 235-242.	0.3	3
143	MOCVD Of Gallium Oxide Thin Films Using Homoleptic Gallium Complexes: Precursor Evaluation and Thin Film Characterisation. ECS Transactions, 2009, 25, 617-624.	0.3	7
144	Gas Sensing Performances of Copper Oxide Films and Quasi 1-D Nanoarchitectures. , 2009, , .		0

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145	Multi-Functional Copper Oxide Nanosystems for H2 Sustainable Production and Sensing. ECS Transactions, 2009, 25, 1169-1176.	0.3	13
146	Rational Design of Ag/TiO₂ Nanosystems by a Combined RFâ€Sputtering/Solâ€Gel Approach. ChemPhysChem, 2009, 10, 3249-3259.	1.0	62
147	The Potential of Supported Cu₂O and CuO Nanosystems in Photocatalytic H₂ Production. ChemSusChem, 2009, 2, 230-233.	3.6	225
148	Deposition of Niobium Nitride Thin Films from <i>Tert</i>â€Butylamidoâ€<i>Tris</i>â€(Diethylamido)â€Niobium by a Modified Industrial MOCVD Reactor. Chemical Vapor Deposition, 2009, 15, 334-341.	1.4	16
149	Novel Gallium Complexes with Malonic Diester Anions as Molecular Precursors for the MOCVD of Ga₂O₃ Thin Films. European Journal of Inorganic Chemistry, 2009, 2009, 1110-1117.	1.0	28
150	Chemical vapor deposition of copper oxide films and entangled quasi-1D nanoarchitectures as innovative gas sensors. Sensors and Actuators B: Chemical, 2009, 141, 270-275.	4.0	114
151	Photoinduced superhydrophilicity and photocatalytic properties of ZnO nanoplatelets. Surface and Coatings Technology, 2009, 203, 2041-2045.	2.2	50
152	Investigation of niobium nitride and oxy-nitride films grown by MOCVD. Surface and Coatings Technology, 2009, 204, 404-409.	2.2	20
153	CVD of Copper Oxides from a Î²-Diketonate Diamine Precursor: Tailoring the Nano-Organization. Crystal Growth and Design, 2009, 9, 2470-2480.	1.4	70
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