

Elisabetta Comini

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

385 papers	13,934 citations	59 h-index	104 g-index
444 ext. papers	15,521 ext. citations	5.3 avg, IF	6.7 L-index

#	Paper	IF	Citations
385	Evaporation Condensation Growth of One-Dimensional Metal Oxide at SENSOR Lab in Brescia for Chemical Sensors Applications. <i>Lecture Notes in Electrical Engineering</i> , 2023 , 86-91	0.2	
384	Methyl (CH ₃)-terminated ZnO nanowires for selective acetone detection: a novel approach toward sensing performance enhancement via self-assembled monolayer. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 3178-3189	13	1
383	Progress towards chemical gas sensors: Nanowires and 2D semiconductors. <i>Sensors and Actuators B: Chemical</i> , 2022 , 357, 131466	8.5	5
382	Design and construction of a low cost air purifier for killing harmful airborne microorganisms using a combination of a strong multi-directional electric-field and an ultra violet light.. <i>HardwareX</i> , 2022 , 11, e00279	2.7	1
381	Impact of Sn doping on the hydrogen detection characteristics of ZnO thin films: Insights from experimental and DFT combination. <i>Applied Surface Science</i> , 2022 , 574, 151585	6.7	0
380	Selective H ₂ S gas sensors based on ohmic hetero-interface of Au-functionalized WO ₃ nanowires. <i>Applied Surface Science</i> , 2022 , 571, 151262	6.7	8
379	Optimizing MOX sensor array performances with a reconfigurable self-adaptive temperature modulation interface. <i>Sensors and Actuators B: Chemical</i> , 2021 , 333, 129509	8.5	9
378	Assessment of Integrated Aerosol Sampling Techniques in Indoor, Confined and Outdoor Environments Characterized by Specific Emission Sources. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4360 ^{2.6}		
377	Growth and Characterization of Seed-Assisted, EDTA-Treated, Chemical Bath-Deposited CdS. <i>Journal of Electronic Materials</i> , 2021 , 50, 4858-4865	1.9	0
376	Novel Christmas Branched Like NiO/NiWO ₄ /WO ₃ (p-pn) Nanowire Heterostructures for Chemical Sensing. <i>Advanced Functional Materials</i> , 2021 , 31, 2104416	15.6	6
375	How Chemoresistive Sensors Can Learn from Heterogeneous Catalysis. Hints, Issues, and Perspectives. <i>Chemosensors</i> , 2021 , 9, 193	4	2
374	TiO/CuO/CuO Multi-Nanolayers as Sensors for H and Volatile Organic Compounds: An Experimental and Theoretical Investigation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32363-32380	9.5	9
373	Detection of volatile organic compounds: From chemical gas sensors to terahertz spectroscopy. <i>Reviews in Analytical Chemistry</i> , 2021 , 40, 33-57	2.3	8
372	Low-Dimensional Nanostructures Based on Cobalt Oxide (Co ₃ O ₄) in Chemical-Gas Sensing. <i>Chemosensors</i> , 2021 , 9, 197	4	4
371	Solid oxide fuel cell: Decade of progress, future perspectives and challenges. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 27643-27674	6.7	46
370	SnO ₂ -SiO ₂ 1D Core-Shell Nanowires Heterostructures for Selective Hydrogen Sensing. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100939	4.6	1
369	Tailoring the selectivity of ultralow-power heterojunction gas sensors by noble metal nanoparticle functionalization. <i>Nano Energy</i> , 2021 , 88, 106241	17.1	5

368	Catalyst Assisted vapor liquid solid growth of Bi ₂ O ₃ nanowires for acetone and ethanol detection. <i>Sensors and Actuators B: Chemical</i> , 2021 , 346, 130432	8.5	5
367	Robust Room-Temperature NO Sensors from Exfoliated 2D Few-Layered CVD-Grown Bulk Tungsten Di-selenide (2H-WSe). <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4316-4329	9.5	17
366	Seed-Assisted Growth of TiO Nanowires by Thermal Oxidation for Chemical Gas Sensing. <i>Nanomaterials</i> , 2020 , 10,	5.4	13
365	Highly sensitive and selective NO ₂ chemical sensors based on Al doped NiO thin films. <i>Materials Science in Semiconductor Processing</i> , 2020 , 115, 105149	4.3	4
364	Rhodium as efficient additive for boosting acetone sensing by TiO ₂ nanocrystals. Beyond the classical view of noble metal additives. <i>Sensors and Actuators B: Chemical</i> , 2020 , 319, 128338	8.5	5
363	One-Dimensional Nanostructured Oxide Chemoresistive Sensors. <i>Langmuir</i> , 2020 , 36, 6326-6344	4	33
362	Hydrogen Gas Sensing Performances of -Type MnO Nanosystems: The Role of Built-in MnO/Ag and MnO/SnO Junctions. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
361	Quasi-1D MnO ₂ nanocomposites as gas sensors for hazardous chemicals. <i>Applied Surface Science</i> , 2020 , 512, 145667	6.7	24
360	UV-Enhanced Humidity Sensing of Chitosan-SnO Hybrid Nanowires. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
359	k-NN and k-NN-ANN Combined Classifier to Assess MOX Gas Sensors Performances Affected by Drift Caused by Early Life Aging. <i>Chemosensors</i> , 2020 , 8, 6	4	2
358	The role of self-assembled monolayers in electronic devices. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3938-3955	7.1	56
357	Surface properties of SnO nanolayers prepared by spin-coating and thermal oxidation. <i>Nanotechnology</i> , 2020 , 31, 315714	3.4	3
356	Chemical Gas Sensors Studied at SENSOR Lab, Brescia (Italy): From Conventional to Energy-Efficient and Biocompatible Composite Structures. <i>Sensors</i> , 2020 , 20,	3.8	2
355	Toward Optimized Radial Modulation of the Space-Charge Region in One-Dimensional SnO-NiO Core-Shell Nanowires for Hydrogen Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4594-4606	8.5	32
354	Novel insight on the local surface properties of ZnO nanowires. <i>Nanotechnology</i> , 2020 , 31, 465705	3.4	14
353	The role of morphology in all-dielectric SERS: A comparison between conformal (T-rx) and non conformal TiO ₂ shells. <i>Vibrational Spectroscopy</i> , 2020 , 109, 103085	2.1	1
352	An Array of MOX Sensors and ANNs to Assess Grated Parmigiano Reggiano Cheese Packs Compliance with CFPR Guidelines. <i>Biosensors</i> , 2020 , 10,	5.9	3
351	What happens at the aroma of coffee beans after roasting?. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020 , 7, 1-4	0.4	2

350	One- and two-dimensional metal oxide nanostructures for chemical sensing 2020 , 161-184		2
349	Manganese Oxide Nanoarchitectures as Chemoresistive Gas Sensors to Monitor Fruit Ripening. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 3025-3030	1.3	9
348	Effect of the source solution quantity on optical characteristics of ZnO and NiO thin films grown by spray pyrolysis for the design NiO/ZnO photodetectors. <i>Optical Materials</i> , 2020 , 108, 110434	3.3	11
347	One Dimensional ZnO Nanostructures: Growth and Chemical Sensing Performances. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
346	Influence of iron and nitrogen ion beam exposure on the gas sensing properties of CuO nanowires. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128579	8.5	11
345	1D Titanium Dioxide: Achievements in Chemical Sensing. <i>Materials</i> , 2020 , 13,	3.5	9
344	A study on CdCl ₂ activation of CBD-CdS films. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 13330-13336	2.1	1
343	SAM Functionalized ZnO Nanowires for Selective Acetone Detection: Optimized Surface Specific Interaction Using APTMS and GLYMO Monolayers. <i>Advanced Functional Materials</i> , 2020 , 30, 2003217	15.6	17
342	A Comparative Study on CdS Film Formation under Variable and Steady Bath-Temperature Conditions. <i>Semiconductors</i> , 2020 , 54, 838-843	0.7	1
341	Metal oxides nanowires chemical/gas sensors: recent advances. <i>Materials Today Advances</i> , 2020 , 7, 1000994	9.4	14
340	A novel approach for green synthesis of WO ₃ nanomaterials and their highly selective chemical sensing properties. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 20373-20385	13	19
339	Highly sensitive and selective detection of dimethylamine through Nb-doping of TiO ₂ nanotubes for potential use in seafood quality control. <i>Sensors and Actuators B: Chemical</i> , 2020 , 303, 127217	8.5	22
338	Nanostructured MOS Sensor for the Detection, Follow up, and Threshold Pursuing of Development in Milk Samples. <i>Sensors</i> , 2020 , 20,	3.8	5
337	Mn ₃ O ₄ Nanomaterials Functionalized with Fe ₂ O ₃ and ZnO: Fabrication, Characterization, and Ammonia Sensing Properties. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901239	4.6	6
336	Low-Dimensional Composite Material Based on Modified Graphene and Metal Oxide for High-Performance Chemical Sensors. <i>Proceedings (mdpi)</i> , 2019 , 26, 28	0.3	
335	Shelf Life Study of NiO Nanowire Sensors for NO ₂ Detection. <i>Electronic Materials Letters</i> , 2019 , 15, 743-749	2.9	11
334	Integration of VLS-Grown WO Nanowires into Sensing Devices for the Detection of HS and O. <i>ACS Omega</i> , 2019 , 4, 16336-16343	3.9	17
333	Palladium thin films on microfiber filtration paper as flexible substrate and its hydrogen gas sensing mechanism. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 17185-17194	6.7	10

332	Sensing Nitrogen Mustard Gas Simulant at the ppb Scale via Selective Dual-Site Activation at Au/MnO Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23692-23700	9.5	17
331	Acetone sensor based on Ni doped ZnO nanostructures: growth and sensing capability. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 7681-7690	2.1	19
330	Highly Sensitive and Selective H ₂ S Chemical Sensor Based on ZnO Nanomaterial. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1167	2.6	15
329	Preparation and characterization of nanostructured CuO thin films using spray pyrolysis technique. <i>Superlattices and Microstructures</i> , 2019 , 127, 2-10	2.8	36
328	Investigation of Reduced Graphene Oxide and a Nb-Doped TiO Nanotube Hybrid Structure To Improve the Gas-Sensing Response and Selectivity. <i>ACS Sensors</i> , 2019 , 4, 2094-2100	9.2	33
327	MOX Sensors to Ensure Suitable Parameters of Grated Parmigiano Reggiano Cheese. <i>Proceedings (mdpi)</i> , 2019 , 14, 38	0.3	1
326	Synthesis of Nanoporous TiO ₂ with the Use of Diluted Hydrogen Peroxide Solution and Its Application in Gas Sensing. <i>Coatings</i> , 2019 , 9, 681	2.9	12
325	Mesoporous polycrystalline SnO framework synthesized by direct soft templating method for highly selective detection of NO. <i>Nanotechnology</i> , 2019 , 31, 105502	3.4	3
324	Nanomaterial Gas Sensors for Online Monitoring System of Fruit Jams. <i>Foods</i> , 2019 , 8,	4.9	3
323	Chemical Vapor Deposition: Mn ₃ O ₄ Nanomaterials Functionalized with Fe ₂ O ₃ and ZnO: Fabrication, Characterization, and Ammonia Sensing Properties (Adv. Mater. Interfaces 24/2019). <i>Advanced Materials Interfaces</i> , 2019 , 6, 1970151	4.6	
322	BC-MOS: The novel bacterial cellulose based MOS gas sensors. <i>Materials Letters</i> , 2019 , 237, 69-71	3.3	13
321	Toward the Detection of Poisonous Chemicals and Warfare Agents by Functional MnO Nanosystems. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12305-12310	9.5	18
320	Branch-like NiO/ZnO heterostructures for VOC sensing. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 477-485	8.5	84
319	Tin Oxide Nanowires Decorated with Ag Nanoparticles for Visible Light-Enhanced Hydrogen Sensing at Room Temperature: Bridging Conductometric Gas Sensing and Plasmon-Driven Catalysis. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5026-5031	3.8	20
318	Effect of vanadium doping on ZnO sensing properties synthesized by spray pyrolysis. <i>Materials and Design</i> , 2018 , 139, 56-64	8.1	25
317	Metal Oxide Nanostructures in Food Applications: Quality Control and Packaging. <i>Chemosensors</i> , 2018 , 6, 16	4	57
316	Application of a Novel S ₃ Nanowire Gas Sensor Device in Parallel with GC-MS for the Identification of Rind Percentage of Grated Parmigiano Reggiano. <i>Sensors</i> , 2018 , 18,	3.8	19
315	Anomalous gas sensing behaviors to reducing agents of hydrothermally grown Fe ₂ O ₃ nanorods. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 1237-1245	8.5	12

314	MgCl ₂ activation of CdS films: An alternative for CdCl ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 367, 171-177	4.7	7
313	Array of Semiconductor Nanowires Gas Sensor for IoT in Wastewater Management 2018 ,		4
312	Array of MOX Nanowire Gas Sensors for Wastewater Management. <i>Proceedings (mdpi)</i> , 2018 , 2, 996	0.3	1
311	UV Light Assisted NO ₂ Sensing by SnO ₂ /Graphene Oxide Composite. <i>Proceedings (mdpi)</i> , 2018 , 2, 787	0.3	5
310	Discrimination of Quality and Geographical Origin of Extra Virgin Olive Oil by S3 Device with Metal Oxides Gas Sensors. <i>Proceedings (mdpi)</i> , 2018 , 2, 1061	0.3	9
309	Sensitivity-Selectivity Trade-Offs in Surface Ionization Gas Detection. <i>Nanomaterials</i> , 2018 , 8,	5.4	2
308	Multicomponent Metal Oxide Nanostructures: Fabrication and Study of Core Issues to Improve Gas Sensing Performance. <i>Proceedings (mdpi)</i> , 2018 , 2, 970	0.3	
307	Reduced Graphene Oxide/TiO ₂ Nanotube Composite: Comprehensive Study for Gas-Sensing Applications. <i>ACS Applied Nano Materials</i> , 2018 , 1, 7098-7105	5.6	37
306	Surface Properties of SnO ₂ Nanowires Deposited on Si Substrate Covered by Au Catalyst Studies by XPS, TDS and SEM. <i>Nanomaterials</i> , 2018 , 8,	5.4	10
305	Plasma-Assisted Growth of MnO ₂ Nanosystems as Gas Sensors for Safety and Food Industry Applications. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800792	4.6	18
304	"Metal oxide -based heterostructures for gas sensors"- A review. <i>Analytica Chimica Acta</i> , 2018 , 1039, 1-23	6.6	157
303	Gold functionalized MoO ₃ nano flakes for gas sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2018 , 269, 331-339	8.5	43
302	Tailoring Vapor-Phase Fabrication of Mn ₃ O ₄ Nanosystems: From Synthesis to Gas-Sensing Applications. <i>ACS Applied Nano Materials</i> , 2018 , 1, 2962-2970	5.6	16
301	Inorganic Photocatalytic Enhancement: Activated RhB Photodegradation by Surface Modification of SnO Nanocrystals with VO-like species. <i>Scientific Reports</i> , 2017 , 7, 44763	4.9	13
300	Hierarchically Assembled Titania Based Nanostructures: Innovative and Efficient Strategies for the Synthesis and the Improvement of Sensing Properties. <i>Proceedings (mdpi)</i> , 2017 , 1, 293	0.3	1
299	Influence of Metal Catalyst on SnO ₂ Nanowires Growth and Gas Sensing Performance. <i>Proceedings (mdpi)</i> , 2017 , 1, 460	0.3	4
298	Solvothermal Synthesis, Gas-Sensing Properties, and Solar Cell-Aided Investigation of TiO ₂ /MoO _x Nanocrystals. <i>ChemNanoMat</i> , 2017 , 3, 798-807	3.5	2
297	Bottle-brush-shaped heterostructures of NiO-ZnO nanowires: growth study and sensing properties. <i>Nanotechnology</i> , 2017 , 28, 465502	3.4	7

296	Detection of food and skin pathogen microbiota by means of an electronic nose based on metal oxide chemiresistors. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 1224-1230	8.5	29
295	ZnO and SnO ₂ one-dimensional sensors for detection of hazardous gases 2017 ,		2
294	Metal oxide nanostructures: preparation, characterization and functional applications as chemical sensors. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 1205-1217	3	23
293	Pure and Highly Nb-Doped Titanium Dioxide Nanotubular Arrays: Characterization of Local Surface Properties. <i>Nanomaterials</i> , 2017 , 7,	5.4	11
292	Gas Sensing Properties of MoO ₃ . <i>Proceedings (mdpi)</i> , 2017 , 1, 449	0.3	4
291	GO/2D WS ₂ Based Humidity Sensor. <i>Proceedings (mdpi)</i> , 2017 , 1, 469	0.3	2
290	Metal Oxide Nanowire Preparation and Their Integration into Chemical Sensing Devices at the SENSOR Lab in Brescia. <i>Sensors</i> , 2017 , 17,	3.8	16
289	Metal oxide nanowire chemical sensors: innovation and quality of life. <i>Materials Today</i> , 2016 , 19, 559-567	1.8	105
288	Kelvin probe as an effective tool to develop sensitive p-type CuO gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 1257-1263	8.5	26
287	Vapour phase nucleation of ZnO nanowires on GaN: growth habit, interface study and optical properties. <i>RSC Advances</i> , 2016 , 6, 15087-15093	3.7	5
286	Acetone sensors based on TiO ₂ nanocrystals modified with tungsten oxide species. <i>Journal of Alloys and Compounds</i> , 2016 , 665, 345-351	5.7	25
285	A composite structure based on reduced graphene oxide and metal oxide nanomaterials for chemical sensors. <i>Beilstein Journal of Nanotechnology</i> , 2016 , 7, 1421-1427	3	27
284	ZnO Quasi-1D Nanostructures: Synthesis, Modeling, and Properties for Applications in Conductometric Chemical Sensors. <i>Chemosensors</i> , 2016 , 4, 6	4	29
283	Titanium Dioxide Nanostructures Chemical Sensor. <i>Procedia Engineering</i> , 2016 , 168, 313-316		6
282	NiO/ZnO Nanowire-heterostructures by Vapor Phase Growth for Gas Sensing. <i>Procedia Engineering</i> , 2016 , 168, 1140-1143		4
281	A New Approach to Evaluate Vinegars Quality: Application of Small Sensor System (S3) Device Coupled with Enfleurage. <i>Procedia Engineering</i> , 2016 , 168, 456-459		1
280	Single Metal Oxide Nanowire devices for Ammonia and Other Gases Detection in Humid Atmosphere. <i>Procedia Engineering</i> , 2016 , 168, 1052-1055		7
279	Graphene-zinc Oxide Based Nanomaterials for Gas Sensing Devices. <i>Procedia Engineering</i> , 2016 , 168, 1172-1175		6

278	Low Temperature Gas Sensing Properties of Graphene Oxide/SnO ₂ Nanowires Composite for H ₂ . <i>Procedia Engineering</i> , 2016 , 168, 305-308		6
277	Influence of Nb-doping on Hydrogen Sensing Performance of WO ₃ Nanowires. <i>Procedia Engineering</i> , 2016 , 168, 317-320		5
276	Reduced graphene oxide/ZnO nanocomposite for application in chemical gas sensors. <i>RSC Advances</i> , 2016 , 6, 34225-34232	3.7	75
275	Nickel oxide nanowires: vapor liquid solid synthesis and integration into a gas sensing device. <i>Nanotechnology</i> , 2016 , 27, 205701	3.4	45
274	Magnetic gas sensing exploiting the magneto-optical Kerr effect on ZnO nanorods/Co layer system. <i>RSC Advances</i> , 2016 , 6, 42517-42521	3.7	11
273	Preparation and Characterisation of Surface Adsorbed Reduced Graphene Oxide/Polyaniline Nanocomposite on Polymer Membrane for Trimethylamine Sensing. <i>Advanced Materials Research</i> , 2015 , 1119, 24-28	0.5	
272	TiO ₂ colloidal nanocrystals surface modification by V ₂ O ₅ species: Investigation by ⁴⁷ Ti MAS-NMR and H ₂ , CO and NO ₂ sensing properties. <i>Applied Surface Science</i> , 2015 , 351, 1169-1173	6.7	16
271	Nanostructured ZnO chemical gas sensors. <i>Ceramics International</i> , 2015 , 41, 14239-14244	5.1	158
270	Fabrication of single-nanowire sensing devices by electron beam lithography 2015 ,		1
269	Room temperature trimethylamine gas sensor based on aqueous dispersed graphene 2015 ,		1
268	Large surface area biphasic titania for chemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2015 , 209, 1091-1096	8.5	23
267	Surface modification of TiO ₂ nanocrystals by WO _x coating or wrapping: solvothermal synthesis and enhanced surface chemistry. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6898-908	9.5	21
266	Visible electroluminescence from a ZnO nanowires/p-GaN heterojunction light emitting diode. <i>Optics Express</i> , 2015 , 23, 18937-42	3.3	14
265	Nanostructures of Tungsten Trioxide, Nickel Oxide and Niobium Oxide for Chemical Sensing Applications. <i>Procedia Engineering</i> , 2015 , 120, 803-806		2
264	Nickel Oxide Nanowires Growth by VLS Technique for Gas Sensing Application. <i>Procedia Engineering</i> , 2015 , 120, 760-763		11
263	Tungsten oxide nanowires for chemical detection. <i>Analytical Methods</i> , 2015 , 7, 2203-2209	3.2	31
262	Evidence of catalytic activation of anatase nanocrystals by vanadium oxide surface layer: Acetone and ethanol sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2015 , 217, 193-197	8.5	18
261	Conductance and Work Function of TiO ₂ Nanotubes Based Gas Sensors. <i>Procedia Engineering</i> , 2015 , 120, 769-772		5

260	Synthesis and characterization of Zinc and Tin Oxide nanowires for the detection of Parmigiano Reggiano cheese 2015 ,		1
259	Niobium and Tungsten Oxide Nanowires for Chemical Sensor. <i>Procedia Engineering</i> , 2015 , 120, 1149-1152		
258	Skin Microbiota Monitoring by Nanowire MOS Sensors. <i>Procedia Engineering</i> , 2015 , 120, 756-759		2
257	Ultrathin Gas Permeable Oxide Membranes for Chemical Sensing: Nanoporous Ta ₂ O ₅ Test Study. <i>Materials</i> , 2015 , 8, 6677-6684	3.5	7
256	Tungsten Oxide Nanowires on Micro Hotplates for Gas Sensing Applications. <i>Procedia Engineering</i> , 2015 , 120, 439-442		5
255	Highly conductive titanium oxide nanotubes chemical sensors. <i>Microporous and Mesoporous Materials</i> , 2015 , 208, 165-170	5.3	24
254	Surface chemistry of SnO ₂ nanowires on Ag-catalyst-covered Si substrate studied using XPS and TDS methods. <i>Nanoscale Research Letters</i> , 2014 , 9, 43	5	13
253	Investigation of Seebeck Effect in ZnO Nanowires for Micropower Generation in Autonomous Sensor Systems. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 245-249	0.2	
252	Synthesis of self-ordered and well-aligned Nb ₂ O ₅ nanotubes. <i>CrystEngComm</i> , 2014 , 16, 10273-10279	3.3	24
251	SiC Foams Decorated with SnO ₂ Nanostructures for Room Temperature Gas Sensing. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 851-857	2	9
250	Solvothermal, chloroalkoxide-based synthesis of monoclinic WO ₃ quantum dots and gas-sensing enhancement by surface oxygen vacancies. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16808-16	9.5	69
249	Au/Fe ₂ O ₃ Nanocomposites as Selective NO ₂ Gas Sensors. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 11813-11819	3.8	67
248	Integration of ZnO and CuO nanowires into a thermoelectric module. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 927-36	3	17
247	Acetone Sensing with TiO ₂ -WO ₃ Nanocomposites: An Example of Response Enhancement by Inter-oxide Cooperative Effects. <i>Procedia Engineering</i> , 2014 , 87, 803-806		9
246	Tungsten Oxide Nanowires Chemical Sensors. <i>Procedia Engineering</i> , 2014 , 87, 696-699		2
245	P-type CuO Nanowires and thin Film for Highly Sensitive Kelvin Probe Gas Sensing Applications. <i>Procedia Engineering</i> , 2014 , 87, 16-19		3
244	Copper Oxide Nanowires for Surface Ionization Based Gas Sensor. <i>Procedia Engineering</i> , 2014 , 87, 1023-1026		10
243	Niobium Oxide Nanostructures for Chemical Sensing. <i>Procedia Engineering</i> , 2014 , 87, 807-810		1

242	A novel electronic nose as adaptable device to judge microbiological quality and safety in foodstuff. <i>BioMed Research International</i> , 2014 , 2014, 529519	3	27
241	Classification of Different Roasting Processes by MOX Nanowire. <i>Procedia Engineering</i> , 2014 , 87, 572-575		6
240	Two-phase Titania Nanotubes for Gas Sensing. <i>Procedia Engineering</i> , 2014 , 87, 176-179		7
239	Gas Sensing Study of ZnO Nanowire Heterostructured with NiO for Detection of Pollutant Gases. <i>Procedia Engineering</i> , 2014 , 87, 1091-1094		7
238	Electronic Nose and Its Application to Microbiological Food Spoilage Screening. <i>Smart Sensors, Measurement and Instrumentation</i> , 2014 , 119-140	0.3	3
237	Nanowire Technology for the Detection of Microorganisms in Potable Water. <i>Procedia Engineering</i> , 2014 , 87, 1453-1456		11
236	Quantum dots as mediators in gas sensing: A case study of CdS sensitized WO ₃ sensing composites. <i>Applied Surface Science</i> , 2014 , 290, 295-300	6.7	4
235	Well-Ordered Titania Nanostructures for Gas Sensing. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 127-131		1
234	Investigation of Seebeck Effect in Metal Oxide Nanowires for Powering Autonomous Microsystems. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 3-7	0.2	
233	Thermally oxidized zinc oxide nanowires for use as chemical sensors. <i>Nanotechnology</i> , 2013 , 24, 444008	3.4	34
232	Plasma-induced enhancement of UV photoluminescence in ZnO nanowires. <i>CrystEngComm</i> , 2013 , 15, 7981	3.3	25
231	One- and two-dimensional metal oxide nanostructures for chemical sensing 2013 , 299-315		3
230	Synthesis of self-assembled chain-like ZnO nanostructures on stiff and flexible substrates. <i>CrystEngComm</i> , 2013 , 15, 2881	3.3	20
229	Electronic nose for the early detection of different types of indigenous mold contamination in green coffee 2013 ,		11
228	Characterization and testing of Pt/TiO ₂ /SiC thin film layered structure for gas sensing. <i>Thin Solid Films</i> , 2013 , 542, 404-408	2.2	10
227	Metal oxide nanoscience and nanotechnology for chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2013 , 179, 3-20	8.5	129
226	Preparation of copper oxide nanowire-based conductometric chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2013 , 182, 7-15	8.5	51
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