

# Salvatore Iannotta

## List of Publications by Year in descending order

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252  
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87888

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257  
docs citations

257  
times ranked

5643  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D structure reconstruction of nanoengineered polymeric capsules using Coherent X-Ray diffraction imaging. <i>MethodsX</i> , 2021, 8, 101230.	1.6	2
2	Merging the Sol-gel Technique with the Pulsed Microplasma Cluster Source Deposition to Improve Control over the Memristive Response of TiO <sub>2</sub> Thin Films. <i>Coatings</i> , 2021, 11, 348.	2.6	0
3	Interfacing aptamers, nanoparticles and graphene in a hierarchical structure for highly selective detection of biomolecules in OECT devices. <i>Scientific Reports</i> , 2021, 11, 9380.	3.3	15
4	Optical birefringence in strain tuneable silk fibroin whispering gallery mode cavities. , 2021, , .		0
5	New insight in the operation mechanism of Organic Memristive Devices: The role of PEO-based polyelectrolyte solute ions. <i>Organic Electronics</i> , 2021, 94, 106173.	2.6	3
6	Functionalization of TiO <sub>2</sub> sol-gel derived films for cell confinement. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 204, 111787.	5.0	2
7	Aerosol jet printing of PEDOT:PSS for large area flexible electronics. <i>Flexible and Printed Electronics</i> , 2020, 5, 014005.	2.7	49
8	Effects of noise sourcing on organic memristive devices. <i>Chaos, Solitons and Fractals</i> , 2020, 141, 110319.	5.1	8
9	Rapid prototyping of 3D Organic Electrochemical Transistors by composite photocurable resin. <i>Scientific Reports</i> , 2020, 10, 13335.	3.3	43
10	Modification of the porous glass filter with LbL technique for variable filtration applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 606, 125459.	4.7	3
11	Silk Fibroin Enabled Optical Fiber Methanol Vapor Sensor. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 514-517.	2.5	12
12	Memristive response and electrochemical processes in polyaniline based organic devices. <i>Organic Electronics</i> , 2020, 83, 105757.	2.6	4
13	Synaptic response in organic electrochemical transistor gated by a graphene electrode. <i>Flexible and Printed Electronics</i> , 2019, 4, 044002.	2.7	18
14	Scaling Organic Electrochemical Transistors Down to Nanosized Channels. <i>Small</i> , 2019, 15, e1902332.	10.0	22
15	Prototyping a memristive-based device to analyze neuronal excitability. <i>Biophysical Chemistry</i> , 2019, 253, 106212.	2.8	8
16	Multifunctional Operation of an Organic Device with Three-Dimensional Architecture. <i>Materials</i> , 2019, 12, 1357.	2.9	7
17	PEDOT:PSS Morphostructure and Ion-To-Electron Transduction and Amplification Mechanisms in Organic Electrochemical Transistors. <i>Materials</i> , 2019, 12, 9.	2.9	17
18	Coupling Cortical Neurons through Electronic Memristive Synapse. <i>Advanced Materials Technologies</i> , 2019, 4, 1800350.	5.8	63

#	ARTICLE	IF	CITATIONS
19	Predictive gas sensor based on thermal fingerprints from Pt-SnO <sub>2</sub> nanowires. Sensors and Actuators B: Chemical, 2019, 281, 670-678.	7.8	63
20	Frequency driven organic memristive devices for neuromorphic short term and long term plasticity. Organic Electronics, 2019, 65, 434-438.	2.6	34
21	<i>In Vivo</i> Phenotyping for the Early Detection of Drought Stress in Tomato. Plant Phenomics, 2019, 2019, 6168209.	5.9	60
22	Organic memristive element with Chitosan as solid polyelectrolyte. Microelectronic Engineering, 2018, 193, 65-70.	2.4	9
23	Multiselective visual gas sensor using nickel oxide nanowires as chemiresistor. Sensors and Actuators B: Chemical, 2018, 255, 2785-2793.	7.8	42
24	Biolithography: Slime mould patterning of polyaniline. Applied Surface Science, 2018, 435, 1344-1350.	6.1	6
25	Nanomolar detection of the antitumor drug tamoxifen by flexible organic electrochemical devices. AIP Conference Proceedings, 2018, , .	0.4	6
26	Integration of organic electrochemical transistors and immuno-affinity membranes for label-free detection of interleukin-6 in the physiological concentration range through antibody-antigen recognition. Journal of Materials Chemistry B, 2018, 6, 5400-5406.	5.8	61
27	Selective discrimination of hazardous gases using one single metal oxide resistive sensor. Sensors and Actuators B: Chemical, 2018, 277, 121-128.	7.8	54
28	Organic memristive devices for perceptron applications. Journal Physics D: Applied Physics, 2018, 51, 284002.	2.8	22
29	Monitoring emulsion microstructure by using organic electrochemical transistors. Journal of Materials Chemistry C, 2017, 5, 2056-2065.	5.5	27
30	Selective hydrogen sensor for liquefied petroleum gas steam reforming fuel cell systems. International Journal of Hydrogen Energy, 2017, 42, 740-748.	7.1	23
31	Functionalization of SiC/SiO <sub>2</sub> nanowires with a porphyrin derivative: a hybrid nanosystem for X-ray induced singlet oxygen generation. Molecular Systems Design and Engineering, 2017, 2, 165-172.	3.4	11
32	Monitoring the adaptive cell response to hyperosmotic stress by organic devices. MRS Communications, 2017, 7, 229-235.	1.8	9
33	Primary cortical neurons on PMCS TiO <sub>2</sub> films towards bio-hybrid memristive device: A morpho-functional study. Biophysical Chemistry, 2017, 229, 115-122.	2.8	9
34	Data on HepG2 cells changes following exposure to cadmium sulphide quantum dots (CdS QDs). Data in Brief, 2017, 11, 72-97.	1.0	14
35	Charge-separation enhancement in inverted polymer solar cells by molecular-level triple heterojunction: NiO-np:P3HT:PCBM. Nanotechnology, 2017, 28, 035403.	2.6	4
36	An in vivo biosensing, biomimetic electrochemical transistor with applications in plant science and precision farming. Scientific Reports, 2017, 7, 16195.	3.3	67

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37	Coherent X-ray diffraction imaging of nanoengineered polymeric capsules. JETP Letters, 2017, 106, 540-543.	1.4	3
38	Enzymatic sensing with laccase-functionalized textile organic biosensors. Organic Electronics, 2017, 40, 51-57.	2.6	49
39	Emulation with Organic Memristive Devices of Impairment of LTP Mechanism in Neurodegenerative Disease Pathology. Neural Plasticity, 2017, 2017, 1-8.	2.2	15
40	SiC Biosensing and Electrochemical Sensing: State of the Art and Perspectives. , 2016, , 143-177.		1
41	Raman Identification of Polymorphs in Pentacene Films. Crystals, 2016, 6, 41.	2.2	19
42	Preface to Special Topic: Adaptive Materials, Devices and Systems towards Unconventional Computing, Sensing, Bioelectronics and Robotics. AIP Advances, 2016, 6, 111101.	1.3	0
43	Tailoring super-hydrophobic properties of electrochemical biosensor for early cancer detection. MRS Advances, 2016, 1, 3545-3552.	0.9	4
44	First steps towards the realization of a double layer perceptron based on organic memristive devices. AIP Advances, 2016, 6, .	1.3	77
45	Polysaccharides-based gels and solid-state electronic devices with memresistive properties: Synergy between polyaniline electrochemistry and biology. AIP Advances, 2016, 6, .	1.3	4
46	A multidisciplinary approach to study the functional properties of neuron-like cell models constituting a living bio-hybrid system: SH-SY5Y cells adhering to PANI substrate. AIP Advances, 2016, 6, .	1.3	9
47	Multiscale modification of the conductive PEDOT:PSS polymer for the analysis of biological mixtures in a super-hydrophobic drop. Microelectronic Engineering, 2016, 158, 80-84.	2.4	3
48	A theoretical model for the time varying current in organic electrochemical transistors in a dynamic regime. Organic Electronics, 2016, 35, 59-64.	2.6	23
49	Dual-selective hydrogen and ethanol sensor for steam reforming systems. Sensors and Actuators B: Chemical, 2016, 236, 1011-1019.	7.8	26
50	Markers for toxicity to HepG2 exposed to cadmium sulphide quantum dots; damage to mitochondria. Toxicology, 2016, 374, 18-28.	4.2	47
51	Geometrical Patterning of Super-Hydrophobic Biosensing Transistors Enables Space and Time Resolved Analysis of Biological Mixtures. Scientific Reports, 2016, 6, 18992.	3.3	17
52	A memristor-based pixel implementing light-to-resistance conversion. Optical Engineering, 2016, 55, 020501.	1.0	7
53	Structural and morphological phase control by supersonic beams on titanil phthalocyanine: An investigation on the growth. Organic Electronics, 2016, 32, 15-20.	2.6	3
54	Raman micro-spectroscopy study of living SH-SY5Y cells adhering on different substrates. Biophysical Chemistry, 2016, 208, 48-53.	2.8	10

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55	Bio-hybrid interfaces to study neuromorphic functionalities: New multidisciplinary evidences of cell viability on poly(anyline) (PANI), a semiconductor polymer with memristive properties. Biophysical Chemistry, 2016, 208, 40-47.	2.8	23
56	A bio-inspired memory device based on interfacing <i>Physarum polycephalum</i> with an organic semiconductor. APL Materials, 2015, 3, .	5.1	36
57	The Interaction of C60 on Si(111) 7Å <sup>2</sup> Studied by Supersonic Molecular Beams: Interplay between Precursor Kinetic Energy and Substrate Temperature in Surface Activated Processes. Frontiers in Materials, 2015, 2, .	2.4	5
58	Interfacing physarum polycephalum with organic memristors. , 2015, , .		0
59	PANI-based neuromorphic networks - first results and close perspectives. , 2015, , .		0
60	Porphyrin conjugated SiC/SiOx nanowires for X-ray-excited photodynamic therapy. Scientific Reports, 2015, 5, 7606.	3.3	64
61	Drug-induced cellular death dynamics monitored by a highly sensitive organic electrochemical system. Biosensors and Bioelectronics, 2015, 68, 791-797.	10.1	24
62	Detection of nanostructured particles with organic electrochemical transistors. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 164-167.	0.8	0
63	Hardware elementary perceptron based on polyaniline memristive devices. Organic Electronics, 2015, 25, 16-20.	2.6	79
64	Comparative gas-sensing performance of 1D and 2D ZnO nanostructures. Sensors and Actuators B: Chemical, 2015, 220, 1152-1160.	7.8	81
65	Depletion layer and dimensionality of ZnO nanostructures. , 2015, , .		1
66	A hybrid living/organic electrochemical transistor based on the Physarum polycephalum cell endowed with both sensing and memristive properties. Chemical Science, 2015, 6, 2859-2868.	7.4	61
67	Optimization of synthesis protocols to control the nanostructure and the morphology of metal oxide thin films for memristive applications. AIP Conference Proceedings, 2015, , .	0.4	4
68	Real-time monitoring of self-assembling worm-like micelle formation by organic transistors. RSC Advances, 2015, 5, 16554-16561.	3.6	10
69	PEDOT:PSS Interfaces Support the Development of Neuronal Synaptic Networks with Reduced Neuroglia Response In vitro. Frontiers in Neuroscience, 2015, 9, 521.	2.8	45
70	Logic with memory: and gates made of organic and inorganic memristive devices. Semiconductor Science and Technology, 2014, 29, 104009.	2.0	25
71	Microtexturing of the Conductive PEDOT:PSS Polymer for Superhydrophobic Organic Electrochemical Transistors. BioMed Research International, 2014, 2014, 1-10.	1.9	19
72	ZnO Nanowires-C Microfiber Hybrid Nanosensor for Liquefied Petroleum Gas Detection. Journal of Nanoscience and Nanotechnology, 2014, 14, 5088-5094.	0.9	1

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73	Human stress monitoring through an organic cotton-fiber biosensor. Journal of Materials Chemistry B, 2014, 2, 5620-5626.	5.8	107
74	A New Cellsâ€Compatible Microfluidic Device for Single Channel Recordings. Electroanalysis, 2014, 26, 1653-1659.	2.9	3
75	Titanyl phthalocyanine ambipolar thin film transistors making use of carbon nanotube electrodes. Nanotechnology, 2014, 25, 485703.	2.6	7
76	H2 sensing properties of two-dimensional zinc oxide nanostructures. Talanta, 2014, 122, 201-208.	5.5	39
77	High mobility <i>n</i> -type organic thin-film transistors deposited at room temperature by supersonic molecular beam deposition. Applied Physics Letters, 2014, 104, .	3.3	18
78	Growth dynamics in supersonic molecular beam deposition of pentacene sub-monolayers on SiO <sub>2</sub> . Chemical Communications, 2014, 50, 7694-7697.	4.1	8
79	Liquid electrolyte positioning along the device channel influences the operation of Organic Electro-Chemical Transistors. Organic Electronics, 2014, 15, 3016-3023.	2.6	10
80	Multi-Technique Characterization through Multivariate Statistical Analysis of Copper Phthalocyanine Kinetic Activated Growth by Supersonic Molecular Beam Deposition. Journal of Physical Chemistry C, 2014, 118, 10883-10892.	3.1	0
81	Electronic properties of CuPc and H2Pc: an experimental and theoretical study. Physical Chemistry Chemical Physics, 2013, 15, 12864.	2.8	51
82	Liposome sensing and monitoring by organic electrochemical transistors integrated in microfluidics. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4374-4380.	2.4	53
83	Electronic properties of tetrakis(pentafluorophenyl)porphyrin. New Journal of Chemistry, 2013, 37, 1036.	2.8	23
84	New opportunities for organic electronics and bioelectronics: ions in action. Chemical Science, 2013, 4, 1395.	7.4	140
85	The correlation between gate dielectric, film growth, and charge transport in organic thin film transistors: the case of vacuum-sublimed tetracene thin films. Journal of Materials Chemistry C, 2013, 1, 967-976.	5.5	20
86	Irreversible evolution of eumelanin redox states detected by an organic electrochemical transistor: en route to bioelectronics and biosensing. Journal of Materials Chemistry B, 2013, 1, 3843.	5.8	45
87	Low Temperature Sensing Properties of a Nano Hybrid Material Based on ZnO Nanotetrapods and Titanyl Phthalocyanine. Sensors, 2013, 13, 3445-3453.	3.8	20
88	Organic bioelectronics. , 2013, , 597-617.		4
89	Non-adiabatic <i>ab initio</i> molecular dynamics of supersonic beam epitaxy of silicon carbide at room temperature. Journal of Chemical Physics, 2013, 138, 044701.	3.0	12
90	The issue of pseudoreplication when applying a statistical exploratory approach to extract relevant features from ToFâ€SIMS spectra. Surface and Interface Analysis, 2013, 45, 1197-1205.	1.8	2

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91	Multiple Shape-Memory Behavior of Polyethylene/Polycyclooctene Blends Cross-Linked by Electron Irradiation. <i>Advances in Science and Technology</i> , 2012, 77, 307-312.	0.2	2
92	Comparison of the Long-Term Stability of $\text{TiO}_2$ Hydrosols with Different Concentration of Nanoparticles. <i>Advances in Science and Technology</i> , 2012, 77, 53-58.	0.2	1
93	Highly Porous Polymeric Foam of Maleimide-Terminated Poly(arylene ether sulfone) Oligomers via High Internal Phase Emulsions. <i>Advances in Science and Technology</i> , 2012, 77, 165-171.	0.2	3
94	Ceramics PMN-PT-PFN for Multilayer Capacitors. <i>Advances in Science and Technology</i> , 2012, 77, 47-52.	0.2	2
95	Multi-Component Oxide Thin Films and Heterostructures for Electronics: Growth Principles. <i>Advances in Science and Technology</i> , 2012, 77, 209-214.	0.2	0
96	Soft Microorigami: Stimuli-Responsive Self-Folding Polymer Films. <i>Advances in Science and Technology</i> , 2012, 77, 348-353.	0.2	0
97	Breakdown of the Quantum Hall Regime in a $\pi$ -Confined™ Graphene. <i>Advances in Science and Technology</i> , 2012, 77, 276-279.	0.2	0
98	Impact of Sputter Deposition Parameters on the Leakage Current Behavior of Aluminum Nitride Thin Films. <i>Advances in Science and Technology</i> , 2012, 77, 29-34.	0.2	4
99	Hybrid Photovoltaic-Piezoelectric Flexible Device for Energy Harvesting from Nature. <i>Advances in Science and Technology</i> , 2012, 77, 297-301.	0.2	5
100	Emission Enhancement of $\text{SiC}/\text{SiO}_2$ Core/Shell Nanowires Induced by the Oxide Shell. <i>Materials Science Forum</i> , 2012, 717-720, 557-560.	0.3	1
101	Controlling Electromagnetic Wave Based on Magnetic Metamaterials. <i>Advances in Science and Technology</i> , 2012, 77, 237-245.	0.2	1
102	Inorganic Nanoparticles for either Charge Storage or Memristance Modulation. <i>Advances in Science and Technology</i> , 2012, 77, 196-204.	0.2	0
103	Magnetic Field Induced Formation of Magnetic Wires into Thin Elastic Membranes with Controlled Properties. <i>Advances in Science and Technology</i> , 2012, 77, 343-347.	0.2	0
104	Thermoelectric Generating Properties of Aurivillius Compounds. <i>Advances in Science and Technology</i> , 2012, 77, 285-290.	0.2	6
105	Surface doping in T6/PDI-8CN2 heterostructures investigated by transport and photoemission measurements. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	12
106	Organic electrochemical transistors operating with electrolytes of increasing complexity for (Bio)sensing. , 2012, , .		0
107	Design and Optimization of Microwave Triangular Meta-Material Resonators in Coplanar Configuration. <i>Advances in Science and Technology</i> , 2012, 77, 231-236.	0.2	1
108	Nonlinear Backward-Wave Photonic Metamaterials. <i>Advances in Science and Technology</i> , 2012, 77, 246-252.	0.2	4

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109	Synthesis, Characterization and Luminescent Properties of New Coordination Polymers Based on <i>p</i> -tert-Butylcalix[4]Arene-Tetracarboxylic Acid and Lanthanide Cations. <i>Advances in Science and Technology</i> , 2012, 77, 132-137.	0.2	3
110	Poly(vinylidene fluoride) Interleaves for Multifunctional Fiber Reinforced Composites. <i>Advances in Science and Technology</i> , 2012, 77, 138-145.	0.2	1
111	Surface Modification of High Internal Phase Emulsion Foam as a Scaffold for Tissue Engineering Application via Atmospheric Pressure Plasma Treatment. <i>Advances in Science and Technology</i> , 2012, 77, 172-177.	0.2	4
112	An integrated platform for in vitro single-site cell electroporation: Controlled delivery and electrodes functionalization. <i>Sensors and Actuators B: Chemical</i> , 2012, 170, 182-188.	7.8	5
113	Excitonic recombination in superstoichiometric nanocrystalline TiO <sub>2</sub> grown by cluster precursors at room temperature. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5705.	2.8	6
114	Epitaxy of Nanocrystalline Silicon Carbide on Si(111) at Room Temperature. <i>Journal of the American Chemical Society</i> , 2012, 134, 17400-17403.	13.7	30
115	Optimizing Picene Molecular Assembling by Supersonic Molecular Beam Deposition. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24503-24511.	3.1	22
116	Polyelectrolytes-coated gold nanoparticles detection by PEDOT:PSS electrochemical transistors. <i>Organic Electronics</i> , 2012, 13, 1716-1721.	2.6	4
117	Organic electrochemical transistors monitoring micelle formation. <i>Chemical Science</i> , 2012, 3, 3432.	7.4	45
118	Multilayer Ceramic Capacitors Based on the PMN-PT-PFN Solid Solution. <i>Advances in Science and Technology</i> , 2012, 77, 41-46.	0.2	1
119	A single cotton fiber organic electrochemical transistor for liquid electrolyte saline sensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 23830.	6.7	99
120	Directionally Selective Sensitization of ZnO Nanorods by TiOPc: A Novel Approach to Functionalized Nanosystems. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8223-8229.	3.1	6
121	Tris-triazolotriazines with $\pi$ -Conjugated Segments: Star-Shaped Fluorophors and Discotic Liquid Crystals. <i>Advances in Science and Technology</i> , 2012, 77, 118-123.	0.2	7
122	Influence of Hydrochloric Acid Concentrations on the Formation of AgCl-Doped Iron Oxide-Silica Core-shell Structures. <i>Advances in Science and Technology</i> , 2012, 77, 184-189.	0.2	2
123	Magnetic Properties of the Bi <sub>7</sub> Fe <sub>3</sub> Ti <sub>3</sub> O <sub>21</sub> Aurivillius Phase Doped with Samarium. <i>Advances in Science and Technology</i> , 2012, 77, 220-224.	0.2	4
124	Magnetoactive Superhydrophobic Foams for Oil-Water Separation. <i>Advances in Science and Technology</i> , 2012, 77, 159-164.	0.2	1
125	Experimental and Numerical Study of Pentacene Molecular Beam Seeded in the Free Jet of Helium. , 2011, , .		1
126	Ambipolar organic thin film transistors based on a soluble pentacene derivative. <i>Applied Physics Letters</i> , 2011, 99, 023304.	3.3	11



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127	Role of kinetic energy of impinging molecules in the 1,4-sexithiophene growth. Thin Solid Films, 2011, 519, 4110-4113.	1.8	6
128	Ambipolar copper phthalocyanine transistors with carbon nanotube array electrodes. Applied Physics Letters, 2011, 98, .	3.3	44
129	Optimizing Nozzle Geometry for Controlling Properties of Molecular Beam with Heavy Organic Molecules. , 2011, , .		0
130	Optical, Structural and Interface Characterization of Single SiO <sub>2</sub> -SiC Core-Shell Nanowires Grown with a Low-Cost Method. Microscopy and Microanalysis, 2010, 16, 826-827.	0.4	0
131	An enhanced platform for cell electroporation: controlled delivery and electrodes functionalization. Procedia Engineering, 2010, 5, 45-48.	1.2	1
132	Enhancement of the core near-band-edge emission induced by an amorphous shell in coaxial one-dimensional nanostructure: the case of SiC/SiO <sub>2</sub> core/shell self-organized nanowires. Nanotechnology, 2010, 21, 345702.	2.6	37
133	Effect of the gate electrode on the response of organic electrochemical transistors. Applied Physics Letters, 2010, 97, .	3.3	133
134	Solid state dye sensitized solar cells based on supersonic beam deposition of organic, inorganic cluster assembled, and nanohybrid materials. Journal of Renewable and Sustainable Energy, 2010, 2, 053106.	2.0	3
135	Controlled Polymorphism in Titanyl Phthalocyanine on Mica by Hyperthermal Beams: A Micro-Raman Analysis. Journal of Physical Chemistry C, 2010, 114, 7038-7044.	3.1	21
136	Tetraphenylporphyrin electronic properties: a combined theoretical and experimental study of thin films deposited by SuMBD. Physical Chemistry Chemical Physics, 2010, 12, 871-880.	2.8	24
137	Comparative Bioaffinity Studies for In-Vitro Cell Assays on MEMS-Based Devices. Lecture Notes in Electrical Engineering, 2010, , 83-87.	0.4	1
138	Activation and control of organolanthanide synthesis by supersonic molecular beams: Erbium-porphyrin test case. Physical Review B, 2009, 79, .	3.2	18
139	Key role of molecular kinetic energy in early stages of pentacene island growth. Applied Physics A: Materials Science and Processing, 2009, 95, 21-27.	2.3	24
140	Supersonic molecular beams deposition of 1,4-quaterthiophene: Enhanced growth control and devices performances. Organic Electronics, 2009, 10, 521-526.	2.6	11
141	Hybrid titania-zincphthalocyanine nanostructured multilayers with novel gas sensing properties. Sensors and Actuators B: Chemical, 2008, 130, 405-410.	7.8	17
142	OFET for gas sensing based on SuMBE grown pentacene films. Solid-State Electronics, 2008, 52, 417-421.	1.4	8
143	Novel nano-hybrid gas sensor based on n-TiO <sub>2</sub> functionalized by phthalocyanines via supersonic beam co-deposition: Performance and application to automotive air quality. , 2008, , .		2
144	FIRB "SQUARE" PROJECT: NANO-STRUCTURED SENSORS FOR THE DETECTION OF THE POLLUTING IC ENGINE EXHAUST GASES AND FOR INDOOR AIR QUALITY MONITORING. , 2008, , .		0

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145	Controlling the Early Stages of Pentacene Growth by Supersonic Molecular Beam Deposition. <i>Physical Review Letters</i> , 2007, 98, 076601.	7.8	75
146	Polymorphism and Phase Control in Titanyl Phthalocyanine Thin Films Grown by Supersonic Molecular Beam Deposition. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12550-12558.	2.5	32
147	Hybrid n-TiO <sub>2</sub> -CuPc gas sensors sensitive to reducing species, synthesized by cluster and supersonic beam deposition. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 214-220.	7.8	17
148	Alignment of ethylene molecules in supersonic seeded expansions probed by infrared polarized laser absorption and by molecular beam scattering. <i>Chemical Physics Letters</i> , 2006, 420, 47-53.	2.6	16
149	Simultaneous detection of ammonia, methane and ethylene at 1.63 $\mu$ m with diode laser photoacoustic spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2006, 82, 495-500.	2.2	32
150	Comparison of organic thin films deposited by supersonic molecular-beam epitaxy and organic molecular-beam epitaxy: The case of titanyl phthalocyanine. <i>Surface Science</i> , 2006, 600, 2064-2069.	1.9	19
151	Controlling field-effect mobility in pentacene-based transistors by supersonic molecular-beam deposition. <i>Applied Physics Letters</i> , 2006, 88, 132106.	3.3	39
152	PRESERVATION OF FRUITS: A STUDY ON APPLES BASED ON MONITORING VOCs BY THE NOVEL PROTON TRANSFER MASS SPECTROMETRY METHOD (PTR-MS). <i>Acta Horticulturae</i> , 2005, , 1489-1496.	0.2	0
153	X-ray-diffraction characterization of Pt(111) surface nanopatterning induced by C <sub>60</sub> adsorption. <i>Nature Materials</i> , 2005, 4, 688-692.	27.5	88
154	Deposition from Supersonic Beams (SuMBE): a Kinetic Approach for Controlling Thin Film Properties. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	1
155	Optical enhancement of diode laser-photoacoustic trace gas detection by means of external Fabry-Perot cavity. <i>Applied Physics Letters</i> , 2005, 87, 041110.	3.3	41
156	A STATISTICAL APPROACH FOR PROTON TRANSFER REACTION MASS SPECTROMETRY (PTR-MS) DATA AIMED AT A QUALIFICATION OF FRUITS BASED ON VOC EMISSIONS. <i>Acta Horticulturae</i> , 2005, , 1497-1504.	0.2	2
157	SuMBE based organic thin film transistors. <i>Synthetic Metals</i> , 2004, 146, 291-295.	3.9	12
158	Morphological and optical properties of titanyl phthalocyanine films deposited by supersonic molecular beam epitaxy (SuMBE). <i>Surface Science</i> , 2004, 573, 346-358.	1.9	33
159	Titanium dioxide thin films prepared by seeded supersonic beams for gas sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 177-184.	7.8	24
160	Pentacene Thin Film Growth. <i>Chemistry of Materials</i> , 2004, 16, 4497-4508.	6.7	588
161	Innovative aspects in thin film technologies for nanostructured materials in gas sensor devices. <i>Thin Solid Films</i> , 2003, 436, 52-63.	1.8	34
162	Fullerene freejets-based synthesis of silicon carbide: heteroepitaxial growth on Si(111) at low temperatures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 101, 169-173.	3.5	5

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163	Nanostructured TiO <sub>2</sub> thin films prepared by supersonic beams and their application in a sensor array for the discrimination of VOC. <i>Sensors and Actuators B: Chemical</i> , 2003, 92, 292-302.	7.8	23
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