

Salvatore Iannotta

List of Publications by Year in descending order

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papers

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123424

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257
all docs

257
docs citations

257
times ranked

5643
citing authors

#	ARTICLE	IF	CITATIONS
1	Pentacene Thin Film Growth. Chemistry of Materials, 2004, 16, 4497-4508.	6.7	588
2	Cluster Beam Synthesis of Nanostructured Materials. Springer Series in Cluster Physics, 1999, , .	0.3	173
3	New opportunities for organic electronics and bioelectronics: ions in action. Chemical Science, 2013, 4, 1395.	7.4	140
4	Effect of the gate electrode on the response of organic electrochemical transistors. Applied Physics Letters, 2010, 97, .	3.3	133
5	Hyperthermal Molecular Beam Deposition of Highly Ordered Organic Thin Films. Physical Review Letters, 2003, 90, 206101.	7.8	129
6	Human stress monitoring through an organic cotton-fiber biosensor. Journal of Materials Chemistry B, 2014, 2, 5620-5626.	5.8	107
7	A single cotton fiber organic electrochemical transistor for liquid electrolyte saline sensing. Journal of Materials Chemistry, 2012, 22, 23830.	6.7	99
8	X-ray-diffraction characterization of Pt(111) surface nanopatterning induced by C60 adsorption. Nature Materials, 2005, 4, 688-692.	27.5	88
9	Comparative gas-sensing performance of 1D and 2D ZnO nanostructures. Sensors and Actuators B: Chemical, 2015, 220, 1152-1160.	7.8	81
10	Hardware elementary perceptron based on polyaniline memristive devices. Organic Electronics, 2015, 25, 16-20.	2.6	79
11	First steps towards the realization of a double layer perceptron based on organic memristive devices. AIP Advances, 2016, 6, .	1.3	77
12	Controlling the Early Stages of Pentacene Growth by Supersonic Molecular Beam Deposition. Physical Review Letters, 2007, 98, 076601.	7.8	75
13	PTR-MS real time monitoring of the emission of volatile organic compounds during postharvest aging of berryfruit. Postharvest Biology and Technology, 1999, 17, 143-151.	6.0	67
14	An in vivo biosensing, biomimetic electrochemical transistor with applications in plant science and precision farming. Scientific Reports, 2017, 7, 16195.	3.3	67
15	The mozzarella cheese flavour profile: a comparison between judge panel analysis and proton transfer reaction mass spectrometry. Journal of the Science of Food and Agriculture, 2001, 81, 357-363.	3.5	64
16	Porphyrin conjugated SiC/SiOx nanowires for X-ray-excited photodynamic therapy. Scientific Reports, 2015, 5, 7606.	3.3	64
17	Coupling Cortical Neurons through Electronic Memristive Synapse. Advanced Materials Technologies, 2019, 4, 1800350.	5.8	63
18	Predictive gas sensor based on thermal fingerprints from Pt-SnO2 nanowires. Sensors and Actuators B: Chemical, 2019, 281, 670-678.	7.8	63

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19	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
20	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
21	<i>In Vivo</i> Phenotyping for the Early Detection of Drought Stress in Tomato. Plant Phenomics, 2019, 2019, 6168209.	5.9	60
22	Selective discrimination of hazardous gases using one single metal oxide resistive sensor. Sensors and Actuators B: Chemical, 2018, 277, 121-128.	7.8	54
23	Liposome sensing and monitoring by organic electrochemical transistors integrated in microfluidics. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4374-4380.	2.4	53
24	Electronic properties of CuPc and H2Pc: an experimental and theoretical study. Physical Chemistry Chemical Physics, 2013, 15, 12864.	2.8	51
25	Enzymatic sensing with laccase-functionalized textile organic biosensors. Organic Electronics, 2017, 40, 51-57.	2.6	49
26	Aerosol jet printing of PEDOT:PSS for large area flexible electronics. Flexible and Printed Electronics, 2020, 5, 014005.	2.7	49
27	Resonant photoacoustic simultaneous detection of methane and ethylene by means. of a 1.63- μ m diode laser. Applied Physics B: Lasers and Optics, 2002, 74, 273-278.	2.2	48
28	Diffraction scattering of H atoms from an ordered xenon overlayer adsorbed on the (0001) surface of graphite. Physical Review B, 1981, 24, 2307-2310.	3.2	47
29	Markers for toxicity to HepG2 exposed to cadmium sulphide quantum dots; damage to mitochondria. Toxicology, 2016, 374, 18-28.	4.2	47
30	Supersonic molecular beam growth of thin films of organic materials: A novel approach to controlling the structure, morphology, and functional properties. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2501-2521.	2.1	45
31	Organic electrochemical transistors monitoring micelle formation. Chemical Science, 2012, 3, 3432.	7.4	45
32	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
33	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
34	Ambipolar copper phthalocyanine transistors with carbon nanotube array electrodes. Applied Physics Letters, 2011, 98, .	3.3	44
35	Rapid prototyping of 3D Organic Electrochemical Transistors by composite photocurable resin. Scientific Reports, 2020, 10, 13335.	3.3	43
36	Multiselective visual gas sensor using nickel oxide nanowires as chemiresistor. Sensors and Actuators B: Chemical, 2018, 255, 2785-2793.	7.8	42

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37	Optical enhancement of diode laser-photoacoustic trace gas detection by means of external Fabry-Perot cavity. Applied Physics Letters, 2005, 87, 041110.	3.3	41
38	Controlling field-effect mobility in pentacene-based transistors by supersonic molecular-beam deposition. Applied Physics Letters, 2006, 88, 132106.	3.3	39
39	H2 sensing properties of two-dimensional zinc oxide nanostructures. Talanta, 2014, 122, 201-208.	5.5	39
40	Self-affine silver films and surface-enhanced Raman scattering: Linking spectroscopy to morphology. Journal of Chemical Physics, 2000, 113, 11315-11323.	3.0	37
41	Enhancement of the core near-band-edge emission induced by an amorphous shell in coaxial one-dimensional nanostructure: the case of SiC/SiO ₂ core/shell self-organized nanowires. Nanotechnology, 2010, 21, 345702.	2.6	37
42	A bio-inspired memory device based on interfacing <i>Physarum polycephalum</i> with an organic semiconductor. APL Materials, 2015, 3, .	5.1	36
43	Pulsed molecular beam source. Review of Scientific Instruments, 1981, 52, 8-11.	1.3	34
44	Innovative aspects in thin film technologies for nanostructured materials in gas sensor devices. Thin Solid Films, 2003, 436, 52-63.	1.8	34
45	Frequency driven organic memristive devices for neuromorphic short term and long term plasticity. Organic Electronics, 2019, 65, 434-438.	2.6	34
46	Morphological and optical properties of titanyl phthalocyanine films deposited by supersonic molecular beam epitaxy (SuMBE). Surface Science, 2004, 573, 346-358.	1.9	33
47	Simultaneous detection of ammonia, methane and ethylene at 1.63 μ m with diode laser photoacoustic spectroscopy. Applied Physics B: Lasers and Optics, 2006, 82, 495-500.	2.2	32
48	Polymorphism and Phase Control in Titanyl Phthalocyanine Thin Films Grown by Supersonic Molecular Beam Deposition. Journal of Physical Chemistry A, 2007, 111, 12550-12558.	2.5	32
49	Highly ordered films of quaterthiophene grown by seeded supersonic beams. Applied Physics Letters, 2000, 76, 1845-1847.	3.3	31
50	Epitaxy of Nanocrystalline Silicon Carbide on Si(111) at Room Temperature. Journal of the American Chemical Society, 2012, 134, 17400-17403.	13.7	30
51	Monitoring emulsion microstructure by using organic electrochemical transistors. Journal of Materials Chemistry C, 2017, 5, 2056-2065.	5.5	27
52	Dual-selective hydrogen and ethanol sensor for steam reforming systems. Sensors and Actuators B: Chemical, 2016, 236, 1011-1019.	7.8	26
53	Diffraction scattering of H atoms from the (001) surface of LiF at 78 K. Journal of Chemical Physics, 1980, 72, 4491-4499.	3.0	25
54	Logic with memory: and gates made of organic and inorganic memristive devices. Semiconductor Science and Technology, 2014, 29, 104009.	2.0	25

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55	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
56	Key role of molecular kinetic energy in early stages of pentacene island growth. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 21-27.	2.3	24
57	Tetraphenylporphyrin electronic properties: a combined theoretical and experimental study of thin films deposited by SuMBD. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 871-880.	2.8	24
58	Drug-induced cellular death dynamics monitored by a highly sensitive organic electrochemical system. <i>Biosensors and Bioelectronics</i> , 2015, 68, 791-797.	10.1	24
59	Nanostructured TiO ₂ 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
60	Growth of titanium dioxide films by cluster supersonic beams for VOC sensing applications. <i>IEEE Sensors Journal</i> , 2003, 3, 199-205.	4.7	23
61	Electronic properties of tetrakis(pentafluorophenyl)porphyrin. <i>New Journal of Chemistry</i> , 2013, 37, 1036.	2.8	23
62	A theoretical model for the time varying current in organic electrochemical transistors in a dynamic regime. <i>Organic Electronics</i> , 2016, 35, 59-64.	2.6	23
63	Bio-hybrid interfaces to study neuromorphic functionalities: New multidisciplinary evidences of cell viability on poly(aniline) (PANI), a semiconductor polymer with memristive properties. <i>Biophysical Chemistry</i> , 2016, 208, 40-47.	2.8	23
64	Selective hydrogen sensor for liquefied petroleum gas steam reforming fuel cell systems. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 740-748.	7.1	23
65	Optimizing Picene Molecular Assembling by Supersonic Molecular Beam Deposition. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24503-24511.	3.1	22
66	Organic memristive devices for perceptron applications. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 284002.	2.8	22
67	Scaling Organic Electrochemical Transistors Down to Nanosized Channels. <i>Small</i> , 2019, 15, e1902332.	10.0	22
68	Synthesis of SiC on Si(111) at moderate temperatures by supersonic C ₆₀ beams. <i>Applied Surface Science</i> , 2001, 184, 350-355.	6.1	21
69	Controlled Polymorphism in Titanyl Phthalocyanine on Mica by Hyperthermal Beams: A Micro-Raman Analysis. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7038-7044.	3.1	21
70	Parameterization of a two-stage mass spectrometer performing second-order space focusing. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1996, 153, 23-28.	1.8	20
71	The correlation between gate dielectric, film growth, and charge transport in organic thin film transistors: the case of vacuum-sublimed tetracene thin films. <i>Journal of Materials Chemistry C</i> , 2013, 1, 967-976.	5.5	20
72	Low Temperature Sensing Properties of a Nano Hybrid Material Based on ZnO Nanotetrapods and Titanyl Phthalocyanine. <i>Sensors</i> , 2013, 13, 3445-3453.	3.8	20

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73	High-resolution H atom scattering from NaCl(001). Surface Science, 1980, 100, 28-34.	1.9	19
74	Comparison of organic thin films deposited by supersonic molecular-beam epitaxy and organic molecular-beam epitaxy: The case of titanyl phthalocyanine. Surface Science, 2006, 600, 2064-2069.	1.9	19
75	Microtexturing of the Conductive PEDOT:PSS Polymer for Superhydrophobic Organic Electrochemical Transistors. BioMed Research International, 2014, 2014, 1-10.	1.9	19
76	Raman Identification of Polymorphs in Pentacene Films. Crystals, 2016, 6, 41.	2.2	19
77	The reaction of CO+2 with atomic hydrogen. Journal of Chemical Physics, 1984, 80, 1905-1906.	3.0	18
78	Activation and control of organolanthanide synthesis by supersonic molecular beams: Erbium-porphyrin test case. Physical Review B, 2009, 79, .	3.2	18
79	High mobility n -type organic thin-film transistors deposited at room temperature by supersonic molecular beam deposition. Applied Physics Letters, 2014, 104, .	3.3	18
80	Synaptic response in organic electrochemical transistor gated by a graphene electrode. Flexible and Printed Electronics, 2019, 4, 044002.	2.7	18
81	Supersonic seeded beams of thiophene based oligomers for preparing films of controlled quality. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 2157-2166.	0.6	17
82	Hybrid n-TiO ₂ -CuPc gas sensors sensitive to reducing species, synthesized by cluster and supersonic beam deposition. Sensors and Actuators B: Chemical, 2007, 126, 214-220.	7.8	17
83	Hybrid titania/zincphthalocyanine nanostructured multilayers with novel gas sensing properties. Sensors and Actuators B: Chemical, 2008, 130, 405-410.	7.8	17
84	Geometrical Patterning of Super-Hydrophobic Biosensing Transistors Enables Space and Time Resolved Analysis of Biological Mixtures. Scientific Reports, 2016, 6, 18992.	3.3	17
85	PEDOT:PSS Morphostructure and Ion-To-Electron Transduction and Amplification Mechanisms in Organic Electrochemical Transistors. Materials, 2019, 12, 9.	2.9	17
86	Fast silicon p doped low temperature bolometer. Cryogenics, 1984, 24, 681-683.	1.7	16
87	Alignment of ethylene molecules in supersonic seeded expansions probed by infrared polarized laser absorption and by molecular beam scattering. Chemical Physics Letters, 2006, 420, 47-53.	2.6	16
88	Summary Abstract: High resolution diffractive scattering of H and D Atoms by single crystal surfaces. Journal of Vacuum Science and Technology, 1981, 18, 488-489.	1.9	15
89	Photofragmentation of C ₆₀ in seeded supersonic molecular beams: effects of ro-vibrational cooling. Chemical Physics Letters, 1997, 270, 115-120.	2.6	15
90	Emulation with Organic Memristive Devices of Impairment of LTP Mechanism in Neurodegenerative Disease Pathology. Neural Plasticity, 2017, 2017, 1-8.	2.2	15

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91	Interfacing aptamers, nanoparticles and graphene in a hierarchical structure for highly selective detection of biomolecules in OECT devices. Scientific Reports, 2021, 11, 9380.	3.3	15
92	Measurement of the spin-exchange cross section in the collision of H atoms with O ₂ and NO by means of stored atomic-beam spectroscopy. Physical Review A, 1981, 23, 34-38.	2.5	14
93	Study of the NaCl(001) surface by H atom scattering. Surface Science, 1985, 161, 411-428.	1.9	14
94	Rough silver films studied by surface enhanced raman spectroscopy and low temperature scanning tunnelling microscopy. Progress in Surface Science, 1995, 50, 187-195.	8.3	14
95	Data on HepG2 cells changes following exposure to cadmium sulphide quantum dots (CdS QDs). Data in Brief, 2017, 11, 72-97.	1.0	14
96	SuMBE based organic thin film transistors. Synthetic Metals, 2004, 146, 291-295.	3.9	12
97	Integrated Piezoelectrics for Smart Microsystems - A Teamwork of Substrate and Piezo. Advances in Science and Technology, 0, , .	0.2	12
98	Surface doping in T6/PDI-8CN2 heterostructures investigated by transport and photoemission measurements. Applied Physics Letters, 2012, 101, .	3.3	12
99	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
100	Silk Fibroin Enabled Optical Fiber Methanol Vapor Sensor. IEEE Photonics Technology Letters, 2020, 32, 514-517.	2.5	12
101	Energy transfer processes and molecular degrees of freedom in the collision of SF ₆ molecules with the GaSe(001) surface. Chemical Physics, 1992, 163, 179-191.	1.9	11
102	Synthesis of nanocrystalline TiNi thin films by cluster beam deposition. Scripta Materialia, 1998, 10, 1023-1031.	0.5	11
103	Supersonic molecular beams deposition of β -quaterthiophene: Enhanced growth control and devices performances. Organic Electronics, 2009, 10, 521-526.	2.6	11
104	Ambipolar organic thin film transistors based on a soluble pentacene derivative. Applied Physics Letters, 2011, 99, 023304.	3.3	11
105	Functionalization of SiC/SiO ₂ 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
106	Title is missing!. European Physical Journal B, 2002, 26, 509-514.	1.5	11
107	Liquid electrolyte positioning along the device channel influences the operation of Organic Electro-Chemical Transistors. Organic Electronics, 2014, 15, 3016-3023.	2.6	10
108	Real-time monitoring of self-assembling worm-like micelle formation by organic transistors. RSC Advances, 2015, 5, 16554-16561.	3.6	10

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109	Raman micro-spectroscopy study of living SH-SY5Y cells adhering on different substrates. Biophysical Chemistry, 2016, 208, 48-53.	2.8	10
110	Study of the NaCl(001) surface by H atom scattering. Surface Science, 1985, 161, 429-445.	1.9	9
111	Superhard TiB ₂ -Based Composites with Different Matrix Fabricated from Elemental Powders by SHS-p-HIP. Advances in Science and Technology, 0, , .	0.2	9
112	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
113	Monitoring the adaptive cell response to hyperosmotic stress by organic devices. MRS Communications, 2017, 7, 229-235.	1.8	9
114	Primary cortical neurons on PMCS TiO ₂ films towards bio-hybrid memristive device: A morpho-functional study. Biophysical Chemistry, 2017, 229, 115-122.	2.8	9
115	Organic memristive element with Chitosan as solid polyelectrolyte. Microelectronic Engineering, 2018, 193, 65-70.	2.4	9
116	Energy transfer processes and surface corrugation: A combined collision dynamics and experimental study of the Xe-GaSe(001) system. Chemical Physics, 1995, 194, 133-144.	1.9	8
117	Optical properties, morphology and structure of high quality oligothiophene films grown by supersonic seeded beams. Synthetic Metals, 2001, 122, 221-223.	3.9	8
118	OFET for gas sensing based on SuMBE grown pentacene films. Solid-State Electronics, 2008, 52, 417-421.	1.4	8
119	Hydrogel Sensors for Process Monitoring. Advances in Science and Technology, 0, , .	0.2	8
120	Modeling of Shape-Memory Recovery in Crosslinked Semicrystalline Polymers. Advances in Science and Technology, 0, , .	0.2	8
121	Cobalt Doped ZnO Nanorods Fabricated by Chemical Bath Deposition Technique. Advances in Science and Technology, 0, , .	0.2	8
122	Growth dynamics in supersonic molecular beam deposition of pentacene sub-monolayers on SiO ₂ . Chemical Communications, 2014, 50, 7694-7697.	4.1	8
123	Prototyping a memristive-based device to analyze neuronal excitability. Biophysical Chemistry, 2019, 253, 106212.	2.8	8
124	Effects of noise sourcing on organic memristive devices. Chaos, Solitons and Fractals, 2020, 141, 110319.	5.1	8
125	Molecular Beam Opto-thermal Study of the Multiple-photon Infrared Excitation of CF ₃ Br. Laser Chemistry, 1985, 5, 143-156.	0.5	7
126	Co-deposition of phthalocyanines and fullerene by SuMBE: characterization and prototype devices. Synthetic Metals, 2003, 138, 3-7.	3.9	7

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127	Trisiazolotriazines with π -Conjugated Segments: Star-Shaped Fluorophors and Discotic Liquid Crystals. <i>Advances in Science and Technology</i> , 2012, 77, 118-123.	0.2	7
128	Titanyl phthalocyanine ambipolar thin film transistors making use of carbon nanotube electrodes. <i>Nanotechnology</i> , 2014, 25, 485703.	2.6	7
129	A memristor-based pixel implementing light-to-resistance conversion. <i>Optical Engineering</i> , 2016, 55, 020501.	1.0	7
130	Multifunctional Operation of an Organic Device with Three-Dimensional Architecture. <i>Materials</i> , 2019, 12, 1357.	2.9	7
131	SF ₆ scattering from graphite surfaces: comparison of effects induced by thermal and laser controlled vibrational excitation. <i>Optics Express</i> , 1999, 4, 53.	3.4	6
132	Molecular materials for optoelectronics by supersonic molecular beam growth: co-deposition of C ₆₀ and ZnPc. <i>Synthetic Metals</i> , 2001, 122, 229-231.	3.9	6
133	SiC(1 0 0) ordered film growth by C ₆₀ decomposition on Si(1 0 0) surfaces. <i>Applied Surface Science</i> , 2001, 184, 50-54.	6.1	6
134	SiC film growth on Si(111) by supersonic beams of C ₆₀ . <i>European Physical Journal B</i> , 2002, 26, 509-514.	1.5	6
135	Role of kinetic energy of impinging molecules in the β -sexithiophene growth. <i>Thin Solid Films</i> , 2011, 519, 4110-4113.	1.8	6
136	Thermoelectric Generating Properties of Aurivillius Compounds. <i>Advances in Science and Technology</i> , 2012, 77, 285-290.	0.2	6
137	Excitonic recombination in superstoichiometric nanocrystalline TiO ₂ grown by cluster precursors at room temperature. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5705.	2.8	6
138	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
139	Biolithography: Slime mould patterning of polyaniline. <i>Applied Surface Science</i> , 2018, 435, 1344-1350.	6.1	6
140	Nanomolar detection of the antitumor drug tamoxifen by flexible organic electrochemical devices. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	6
141	SiC growth on Si(111) from a C ₆₀ precursor: A new experimental approach based on a hyperthermal supersonic beam. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2000, 80, 635-645.	0.6	5
142	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
143	Ethanol Induced Shape Recovery and Swelling in Poly(methyl methacrylate) and Applications in Fabrication of Microlens Array. <i>Advances in Science and Technology</i> , 0, , .	0.2	5
144	Recent Progress in Disposable Ion-Selective Sensors for Environmental Applications. <i>Advances in Science and Technology</i> , 0, , .	0.2	5

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145	Hybrid Photovoltaic-Piezoelectric Flexible Device for Energy Harvesting from Nature. <i>Advances in Science and Technology</i> , 2012, 77, 297-301.	0.2	5
146	Modeling of 3D Magnetostrictive Systems with Application to Galfenol and Terfenol-D Actuators. <i>Advances in Science and Technology</i> , 0, , .	0.2	5
147	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
148	The Interaction of C60 on Si(111) 7Å ² Studied by Supersonic Molecular Beams: Interplay between Precursor Kinetic Energy and Substrate Temperature in Surface Activated Processes. <i>Frontiers in Materials</i> , 2015, 2, .	2.4	5
149	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
150	Nonlinear Backward-Wave Photonic Metamaterials. <i>Advances in Science and Technology</i> , 2012, 77, 246-252.	0.2	4
151	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
152	Tailored One-Way and Two-Way Shape Memory Response of Poly(Îµ-Caprolactone)-Based Systems for Biomedical Applications. <i>Advances in Science and Technology</i> , 0, , .	0.2	4
153	Dielectric Properties of Ba _{1-x} La _x Ti _{1-x/4} O ₃ Ceramics with Different La ³⁺ Content. <i>Advances in Science and Technology</i> , 0, , .	0.2	4
154	Polyelectrolytes-coated gold nanoparticles detection by PEDOT:PSS electrochemical transistors. <i>Organic Electronics</i> , 2012, 13, 1716-1721.	2.6	4
155	Thermotropic Materials for Adaptive Solar Control. <i>Advances in Science and Technology</i> , 0, , .	0.2	4
156	Magnetic Properties of the Bi ₇ Fe ₃ Ti ₃ O ₂₁ Aurivillius Phase Doped with Samarium. <i>Advances in Science and Technology</i> , 2012, 77, 220-224.	0.2	4
157	Organic bioelectronics. , 2013, , 597-617.		4
158	Optimization of synthesis protocols to control the nanostructure and the morphology of metal oxide thin films for memristive applications. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	4
159	Tailoring super-hydrophobic properties of electrochemical biosensor for early cancer detection. <i>MRS Advances</i> , 2016, 1, 3545-3552.	0.9	4
160	Polysaccharides-based gels and solid-state electronic devices with memresistive properties: Synergy between polyaniline electrochemistry and biology. <i>AIP Advances</i> , 2016, 6, .	1.3	4
161	Charge-separation enhancement in inverted polymer solar cells by molecular-level triple heterojunction: NiO-np:P3HT:PCBM. <i>Nanotechnology</i> , 2017, 28, 035403.	2.6	4
162	Memristive response and electrochemical processes in polyaniline based organic devices. <i>Organic Electronics</i> , 2020, 83, 105757.	2.6	4

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163	Effects of surface atom vibrations on the diffraction of proton and deuteron beams from the basal plane of graphite. The Journal of Physical Chemistry, 1985, 89, 1914-1921.	2.9	3
164	Growth by supersonic molecular-beam epitaxy of oligothiophene films with controlled properties. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 485-495.	0.6	3
165	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
166	Highly Porous Polymeric Foam of Maleimide-Terminated Poly(arylene ether sulfone) Oligomers via High Internal Phase Emulsions. Advances in Science and Technology, 2012, 77, 165-171.	0.2	3
167	<i>In Situ&/i> CCVD Grown Graphene Transistors with Ultra-High On/Off-Current Ratio in Silicon CMOS Compatible Processing. Advances in Science and Technology, 0, , .	0.2	3
168	Chromogenic Windows. Advances in Science and Technology, 0, , .	0.2	3
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