

Ilia N Ivanov

List of Publications by Year in descending order

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193
papers

10,067
citations

26567

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docs citations

199
times ranked

15959
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of trypsin activity at $\hat{\text{I}}^2$ -casein layers formed on hydrophobic surfaces using a multiharmonic acoustic method. <i>Analyst, The</i> , 2022, 147, 461-470.	1.7	7
2	Quantifying fish otolith mineralogy for trace-element chemistry studies. <i>Scientific Reports</i> , 2022, 12, 2727.	1.6	7
3	Magnetic and Optical Properties of Au $\hat{\text{C}}$ Co Solid Solution and Phase-Separated Thin Films and Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15047-15058.	4.0	5
4	New Insights on Plasmin Long Term Stability and the Mechanism of Its Activity Inhibition Analyzed by Quartz Crystal Microbalance. <i>Micromachines</i> , 2022, 13, 55.	1.4	2
5	Application of Multiharmonic QCM-D for Detection of Plasmin at Hydrophobic Surfaces Modified by $\hat{\text{I}}^2$ -Casein. <i>Chemosensors</i> , 2022, 10, 143.	1.8	4
6	Scalable synthesis of nanoporous atomically thin graphene membranes for dialysis and molecular separations <i>via</i> facile isopropanol-assisted hot lamination. <i>Nanoscale</i> , 2021, 13, 2825-2837.	2.8	17
7	Detection of Chymotrypsin by Optical and Acoustic Methods. <i>Biosensors</i> , 2021, 11, 63.	2.3	7
8	Indirect electrochemical method for high accuracy quantification of protein adsorption on gold surfaces. <i>Electrochemistry Communications</i> , 2021, 124, 106961.	2.3	0
9	Highly Efficient Plasmon Induced Hot-Electron Transfer at Ag/TiO ₂ Interface. <i>ACS Photonics</i> , 2021, 8, 1497-1504.	3.2	30
10	SMART transfer method to directly compare the mechanical response of water-supported and free-standing ultrathin polymeric films. <i>Nature Communications</i> , 2021, 12, 2347.	5.8	30
11	Optically Induced Static Magnetization in Metal Halide Perovskite for Spin-Related Optoelectronics. <i>Advanced Science</i> , 2021, 8, 2004488.	5.6	14
12	Optically Induced Static Magnetization: Optically Induced Static Magnetization in Metal Halide Perovskite for Spin-Related Optoelectronics (Adv. Sci. 11/2021). <i>Advanced Science</i> , 2021, 8, 2170061.	5.6	0
13	Exploring Transport Behavior in Hybrid Perovskites Solar Cells via Machine Learning Analysis of Environmental-Dependent Impedance Spectroscopy. <i>Advanced Science</i> , 2021, 8, e2002510.	5.6	23
14	Correlation of the Structure with Performance in MEH-PPV/dPS Thin Films Illuminated during Processing. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3821-3830.	2.0	3
15	Excitonic Dynamics in Janus MoSSe and WSSe Monolayers. <i>Nano Letters</i> , 2021, 21, 931-937.	4.5	86
16	Self-Assembled Room Temperature Multiferroic BiFeO ₃ -LiFe ₅ O ₈ Nanocomposites. <i>Advanced Functional Materials</i> , 2020, 30, 1906849.	7.8	14
17	Non-Equilibrium Synthesis of Highly Active Nanostructured, Oxygen-Incorporated Amorphous Molybdenum Sulfide HER Electrocatalyst. <i>Small</i> , 2020, 16, e2004047.	5.2	29
18	Optical and Magnetic Properties of Ag $\hat{\text{C}}$ Ni Bimetallic Nanoparticles Assembled via Pulsed Laser-Induced Dewetting. <i>ACS Omega</i> , 2020, 5, 19285-19292.	1.6	34

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19	Construction of 2D BiVO ₄ /CdS/Ti ₃ C ₂ T _x Heterostructures for Enhanced Photo-redox Activities. ChemCatChem, 2020, 12, 3496-3503.	1.8	25
20	Tunable Electromechanical Liquid Crystal Elastomer Actuators. Advanced Intelligent Systems, 2020, 2, 2000022.	3.3	27
21	Low Energy Implantation into Transition-Metal Dichalcogenide Monolayers to Form Janus Structures. ACS Nano, 2020, 14, 3896-3906.	7.3	136
22	Correlation of Spatiotemporal Dynamics of Polarization and Charge Transport in Blended Hybrid Organic-Inorganic Perovskites on Macro- and Nanoscales. ACS Applied Materials & Interfaces, 2020, 12, 15380-15388.	4.0	5
23	High-Resolution Laser-Induced Graphene. Flexible Electronics beyond the Visible Limit. ACS Applied Materials & Interfaces, 2020, 12, 10902-10907.	4.0	129
24	Machine Learning-Enabled Correlation and Modeling of Multimodal Response of Thin Film to Environment on Macro and Nanoscale Using Lab-on-a-Crystal. Advanced Functional Materials, 2020, 30, 1908010.	7.8	12
25	In Quest of a Ferromagnetic Insulator: Structure-Controlled Magnetism in MgTiO Thin Films. Journal of Physical Chemistry C, 2019, 123, 19970-19978.	1.5	8
26	Synthesis of zinc-gallate phosphors by biomineralization and their emission properties. Acta Biomaterialia, 2019, 97, 557-564.	4.1	2
27	Tuning the electrical properties of WSe ₂ via O ₂ plasma oxidation: towards lateral homojunctions. 2D Materials, 2019, 6, 045024.	2.0	39
28	Microbial Approach to Low-Cost Production of Photovoltaic Nanomaterials. ACS Sustainable Chemistry and Engineering, 2019, 7, 18297-18302.	3.2	1
29	Two-Photon Up-Conversion Photoluminescence Realized through Spatially Extended Gap States in Quasi-2D Perovskite Films. Advanced Materials, 2019, 31, 1901240.	11.1	23
30	Competing phases in epitaxial vanadium dioxide at nanoscale. APL Materials, 2019, 7, .	2.2	8
31	The impact of tomato fruits containing multi-walled carbon nanotube residues on human intestinal epithelial cell barrier function and intestinal microbiome composition. Nanoscale, 2019, 11, 3639-3655.	2.8	20
32	Monolayer Ti ₃ C ₂ T _x as an Effective Co-catalyst for Enhanced Photocatalytic Hydrogen Production over TiO ₂ . ACS Applied Energy Materials, 2019, 2, 4640-4651.	2.5	177
33	Environmental Gating and Galvanic Effects in Single Crystals of Organic-Inorganic Halide Perovskites. ACS Applied Materials & Interfaces, 2019, 11, 14722-14733.	4.0	14
34	2D/2D heterojunction of Ti ₃ C ₂ T _x /g-C ₃ N ₄ nanosheets for enhanced photocatalytic hydrogen evolution. Nanoscale, 2019, 11, 8138-8149.	2.8	289
35	Room-Temperature Insulating Ferromagnetic (Ni,Co) _{1+2x} Ti _{1-x} O ₃ Thin Films. Annalen Der Physik, 2019, 531, 1900299.	0.9	7
36	Hierarchical TiO ₂ :Cu ₂ O Nanostructures for Gas/Vapor Sensing and CO ₂ Sequestration. ACS Applied Materials & Interfaces, 2019, 11, 48466-48475.	4.0	18

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37	Probing Electrolyte Solvents at Solid/Liquid Interface Using Gap-Mode Surface-Enhanced Raman Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2019, 166, A178-A187.	1.3	28
38	Room-temperature photo-induced martensitic transformation in a protein crystal. <i>IUCr</i> , 2019, 6, 619-629.	1.0	2
39	Cryomilled zinc sulfide: A prophylactic for <i>Staphylococcus aureus</i> -infected wounds. <i>Journal of Biomaterials Applications</i> , 2018, 33, 82-93.	1.2	0
40	Carbon Dioxide Separation: Highly Permeable Oligo(ethylene oxide)-co-poly(dimethylsiloxane) Membranes for Carbon Dioxide Separation (<i>Adv. Sustainable Syst.</i> 4/2018). <i>Advanced Sustainable Systems</i> , 2018, 2, 1870030.	2.7	1
41	Exploring Anomalous Polarization Dynamics in Organometallic Halide Perovskites. <i>Advanced Materials</i> , 2018, 30, 1705298.	11.1	44
42	Highly Permeable Oligo(ethylene oxide)-co-poly(dimethylsiloxane) Membranes for Carbon Dioxide Separation. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700113.	2.7	6
43	One-Step Synthesis of Nb ₂ O ₅ /C/Nb ₂ C (MXene) Composites and Their Use as Photocatalysts for Hydrogen Evolution. <i>ChemSusChem</i> , 2018, 11, 688-699.	3.6	315
44	Evolutionary selection growth of two-dimensional materials on polycrystalline substrates. <i>Nature Materials</i> , 2018, 17, 318-322.	13.3	204
45	Multi-modal, ultrasensitive, wide-range humidity sensing with Ti ₃ C ₂ film. <i>Nanoscale</i> , 2018, 10, 21689-21695.	2.8	74
46	Atmospheric and Long-term Aging Effects on the Electrical Properties of Variable Thickness WSe ₂ Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36540-36548.	4.0	31
47	A general synthesis approach for supported bimetallic nanoparticles via surface inorganometallic chemistry. <i>Science</i> , 2018, 362, 560-564.	6.0	176
48	Electrolyte Solvation Structure at Solid-Liquid Interface Probed by Nanogap Surface-Enhanced Raman Spectroscopy. <i>ACS Nano</i> , 2018, 12, 10159-10170.	7.3	70
49	Machine learning enabled acoustic detection of sub-nanomolar concentration of trypsin and plasmin in solution. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 282-288.	4.0	28
50	Improved ZnS nanoparticle properties through sequential NanoFermentation. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8329-8339.	1.7	2
51	Light-Activated Hybrid Nanocomposite Film for Water and Oxygen Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31745-31754.	4.0	12
52	Dynamic Impact of Electrode Materials on Interface of Single-Crystalline Methylammonium Lead Bromide Perovskite. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800476.	1.9	31
53	New Insights on Electro-Optical Response of Poly(3,4-ethylenedioxythiophene):Poly(styrenesulfonate) Film to Humidity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15880-15886.	4.0	50
54	O ₂ Plasma Etching and Antistatic Gun Surface Modifications for CNT Yarn Microelectrode Improve Sensitivity and Antifouling Properties. <i>Analytical Chemistry</i> , 2017, 89, 5605-5611.	3.2	56

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55	Magnetodielectric Response from Spin-Orbital Interaction Occurring at Interface of Ferromagnetic Co and Organometal Halide Perovskite Layers via Rashba Effect. <i>Advanced Materials</i> , 2017, 29, 1603667.	11.1	19
56	Functional two/three-dimensional assembly of monolayer WS ₂ and nickel oxide. <i>Journal of Photonics for Energy</i> , 2017, 7, 014001.	0.8	1
57	Emerging materials for lowering atmospheric carbon. <i>Environmental Technology and Innovation</i> , 2017, 7, 30-43.	3.0	13
58	Multimodality of Structural, Electrical, and Gravimetric Responses of Intercalated MXenes to Water. <i>ACS Nano</i> , 2017, 11, 11118-11126.	7.3	183
59	Multi-mode humidity sensing with water-soluble copper phthalocyanine for increased sensitivity and dynamic range. <i>Scientific Reports</i> , 2017, 7, 9921.	1.6	17
60	UV-activated ZnO films on a flexible substrate for room temperature O ₂ and H ₂ O sensing. <i>Scientific Reports</i> , 2017, 7, 6053.	1.6	61
61	Fabrication and characterization of multiwalled carbon nanotube-loaded interconnected porous nanocomposite scaffolds. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 183-192.	1.8	4
62	Carbon nanotube-templated assembly of regioregular poly(3-alkylthiophene) in solution. , 2016, , .		0
63	Influence of annealing on the photodeposition of silver on periodically poled lithium niobate. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	10
64	Comparative study of plant responses to carbon-based nanomaterials with different morphologies. <i>Nanotechnology</i> , 2016, 27, 265102.	1.3	80
65	Elucidating the role of methyl viologen as a scavenger of photoactivated electrons from photosystem I under aerobic and anaerobic conditions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8512-8521.	1.3	22
66	Laser Treated Carbon Nanotube Yarn Microelectrodes for Rapid and Sensitive Detection of Dopamine in Vivo. <i>ACS Sensors</i> , 2016, 1, 508-515.	4.0	74
67	Effect of UV irradiation on adsorption/desorption of oxygen and water on carbon nanotubes. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
68	Manufacturing demonstration of microbially mediated zinc sulfide nanoparticles in pilot-plant scale reactors. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7921-7931.	1.7	32
69	High-resolution dielectric characterization of minerals: A step towards understanding the basic interactions between microwaves and rocks. <i>International Journal of Mineral Processing</i> , 2016, 151, 8-21.	2.6	31
70	PEDOT:PSS/QCM-based multimodal humidity and pressure sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 91-98.	4.0	58
71	Low-cost scalable quartz crystal microbalance array for environmental sensing. , 2016, , .		8
72	Imaging of electrical response of NiO _x under controlled environment with sub-25-nm resolution. <i>Journal of Photonics for Energy</i> , 2016, 6, 038001.	0.8	2

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73	Polymerization of Acetonitrile via a Hydrogen Transfer Reaction from CH ₃ to CN under Extreme Conditions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12040-12044.	7.2	26
74	Ultrafast Dynamics of Metal Plasmons Induced by 2D Semiconductor Excitons in Hybrid Nanostructure Arrays. <i>ACS Photonics</i> , 2016, 3, 2389-2395.	3.2	42
75	Focused helium-ion beam irradiation effects on electrical transport properties of few-layer WSe ₂ : enabling nanoscale direct write homo-junctions. <i>Scientific Reports</i> , 2016, 6, 27276.	1.6	99
76	Unraveling the Fundamental Mechanisms of Solvent-Additive-Induced Optimization of Power Conversion Efficiencies in Organic Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20220-20229.	4.0	8
77	Epitaxial stabilization and phase instability of VO ₂ polymorphs. <i>Scientific Reports</i> , 2016, 6, 19621.	1.6	114
78	Ultrafast Charge Transfer and Hybrid Exciton Formation in 2D/0D Heterostructures. <i>Journal of the American Chemical Society</i> , 2016, 138, 14713-14719.	6.6	102
79	Effect of film morphology on oxygen and water interaction with copper phthalocyanine. , 2016, , .		0
80	Morphology-defined interaction of copper phthalocyanine with O ₂ /H ₂ O. <i>Journal of Photonics for Energy</i> , 2016, 6, 045501.	0.8	8
81	Towards functional assembly of 3D and 2D nanomaterials. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
82	Multimodal probing of oxygen and water interaction with metallic and semiconducting carbon nanotube networks under ultraviolet irradiation. <i>Journal of Photonics for Energy</i> , 2016, 6, 025506.	0.8	19
83	Carbon Nanotubes Grown on Metal Microelectrodes for the Detection of Dopamine. <i>Analytical Chemistry</i> , 2016, 88, 645-652.	3.2	113
84	Deciphering Halogen Competition in Organometallic Halide Perovskite Growth. <i>Journal of the American Chemical Society</i> , 2016, 138, 5028-5035.	6.6	92
85	Amidine-Functionalized Poly(2-vinyl-4,4-dimethylazlactone) for Selective and Efficient CO ₂ Fixing. <i>Macromolecules</i> , 2016, 49, 1523-1531.	2.2	10
86	Spatially resolved resistance of NiO nanostructures under humid environment. , 2016, , .		1
87	Pressure induced polymerization of acetylide anions in CaC ₂ and 10 ⁷ fold enhancement of electrical conductivity. <i>Chemical Science</i> , 2016, 8, 298-304.	3.7	17
88	Interface and thickness dependent domain switching and stability in Mg doped lithium niobate. <i>Journal of Applied Physics</i> , 2015, 118, 224101.	1.1	10
89	Peculiarity of Two Thermodynamically-Stable Morphologies and Their Impact on the Efficiency of Small Molecule Bulk Heterojunction Solar Cells. <i>Scientific Reports</i> , 2015, 5, 13407.	1.6	16
90	Fabrication of continuous poly(ε-caprolactone)/polyglycolide blend scaffolds for tissue engineering. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	12

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91	High-Performance Flexible Perovskite Solar Cells by Using a Combination of Ultrasonic Spray-Coating and Low Thermal Budget Photonic Curing. ACS Photonics, 2015, 2, 680-686.	3.2	268
92	Synthesis, Structure, and Pressure-Induced Polymerization of Li ₃ Fe(CN) ₆ Accompanied with Enhanced Conductivity. Inorganic Chemistry, 2015, 54, 11276-11282.	1.9	6
93	Size tunable elemental copper nanoparticles: extracellular synthesis by thermoanaerobic bacteria and capping molecules. Journal of Materials Chemistry C, 2015, 3, 644-650.	2.7	39
94	Patterned arrays of lateral heterojunctions within monolayer two-dimensional semiconductors. Nature Communications, 2015, 6, 7749.	5.8	213
95	Perovskite Solar Cells with Near 100% Internal Quantum Efficiency Based on Large Single Crystalline Grains and Vertical Bulk Heterojunctions. Journal of the American Chemical Society, 2015, 137, 9210-9213.	6.6	246
96	Visible light assisted photocatalytic hydrogen generation by Ta ₂ O ₅ /Bi ₂ O ₃ , TaON/Bi ₂ O ₃ , and Ta ₃ N ₅ /Bi ₂ O ₃ composites. RSC Advances, 2015, 5, 54998-55005.	1.7	47
97	Correlating high power conversion efficiency of PTB7:PC ₇₁ BM inverted organic solar cells with nanoscale structures. Nanoscale, 2015, 7, 15576-15583.	2.8	54
98	Optical Control of Fluorescence through Plasmonic Eigenmode Extinction. Scientific Reports, 2015, 5, 9911.	1.6	5
99	Strong and Electrically Conductive Graphene-Based Composite Fibers and Laminates. ACS Applied Materials & Interfaces, 2015, 7, 10702-10709.	4.0	63
100	Monolithic graded-refractive-index glass-based antireflective coatings: broadband/omnidirectional light harvesting and self-cleaning characteristics. Journal of Materials Chemistry C, 2015, 3, 5440-5449.	2.7	55
101	<i>In situ</i> capping for size control of monochalcogenide (ZnS, CdS and SnS) nanocrystals produced by anaerobic metal-reducing bacteria. Nanotechnology, 2015, 26, 325602.	1.3	13
102	Visible-light-driven Bi ₂ O ₃ /WO ₃ composites with enhanced photocatalytic activity. RSC Advances, 2015, 5, 91094-91102.	1.7	54
103	Controlling molecular ordering in solution-state conjugated polymers. Nanoscale, 2015, 7, 15134-15141.	2.8	15
104	Cooperative Island Growth of Large-Area Single-Crystal Graphene on Copper Using Chemical Vapor Deposition. ACS Nano, 2014, 8, 5657-5669.	7.3	91
105	The isotopic effects of deuteration on optoelectronic properties of conducting polymers. Nature Communications, 2014, 5, 3180.	5.8	103
106	Water-mediated electrochemical nano-writing on thin ceria films. Nanotechnology, 2014, 25, 075701.	1.3	12
107	Anomalous Photodeposition of Ag on Ferroelectric Surfaces with Below-Bandgap Excitation. Advanced Optical Materials, 2014, 2, 292-299.	3.6	3
108	Dielectric Interface Effects on Surface Charge Accumulation and Collection towards High-Efficiency Organic Solar Cells. Journal of Applied Physics, 2014, 115, 154506.	1.1	19

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109	Pulsed Laser Deposition of Photoresponsive Two-Dimensional GaSe Nanosheet Networks. <i>Advanced Functional Materials</i> , 2014, 24, 6365-6371.	7.8	108
110	Breaking the limits of structural and mechanical imaging of the heterogeneous structure of coal macerals. <i>Nanotechnology</i> , 2014, 25, 435402.	1.3	19
111	High Temporal Resolution Measurements of Dopamine with Carbon Nanotube Yarn Microelectrodes. <i>Analytical Chemistry</i> , 2014, 86, 5721-5727.	3.2	91
112	Mapping internal structure of coal by confocal micro-Raman spectroscopy and scanning microwave microscopy. <i>Fuel</i> , 2014, 126, 32-37.	3.4	34
113	Scalable production of microbially mediated zinc sulfide nanoparticles and application to functional thin films. <i>Acta Biomaterialia</i> , 2014, 10, 4474-4483.	4.1	49
114	Synthesis and properties of SiNx coatings as stable fluorescent markers on vertically aligned carbon nanofibers. <i>AIMS Materials Science</i> , 2014, 1, 87-102.	0.7	0
115	Probing Local Ionic Dynamics in Functional Oxides at the Nanoscale. <i>Nano Letters</i> , 2013, 13, 3455-3462.	4.5	55
116	High-performance organic field-effect transistors with dielectric and active layers printed sequentially by ultrasonic spraying. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4384.	2.7	27
117	Synthesis of Millimeter-Size Hexagon-Shaped Graphene Single Crystals on Resolidified Copper. <i>ACS Nano</i> , 2013, 7, 8924-8931.	7.3	178
118	Open loop Kelvin probe force microscopy with single and multi-frequency excitation. <i>Nanotechnology</i> , 2013, 24, 475702.	1.3	63
119	Nanometer-scale mapping of irreversible electrochemical nucleation processes on solid Li-ion electrolytes. <i>Scientific Reports</i> , 2013, 3, 1621.	1.6	29
120	The impact of crystal symmetry on the electronic structure and functional properties of complex lanthanum chromium oxides. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4527.	2.7	42
121	Scalable economic extracellular synthesis of CdS nanostructured particles by a non-pathogenic thermophile. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 1263-1271.	1.4	31
122	Magneto-Dielectric Effects Induced by Optically-Generated Intermolecular Charge-Transfer States in Organic Semiconducting Materials. <i>Scientific Reports</i> , 2013, 3, 2812.	1.6	25
123	Nature of the band gap and origin of the electro-/photo-activity of Co ₃ O ₄ . <i>Journal of Materials Chemistry C</i> , 2013, 1, 4628.	2.7	176
124	Grafting density effects, optoelectrical properties and nano-patterning of poly(para-phenylene) brushes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13426.	5.2	5
125	Solvent quality-induced nucleation and growth of parallelepiped nanorods in dilute poly(3-hexylthiophene) (P3HT) solution and the impact on the crystalline morphology of solution-cast thin film. <i>CrystEngComm</i> , 2013, 15, 1114-1124.	1.3	51
126	Effect of purity on the electro-optical properties of single wall nanotube-based transparent conductive electrodes. <i>Carbon</i> , 2013, 64, 1-5.	5.4	9

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127	Optically transparent, mechanically durable, nanostructured superhydrophobic surfaces enabled by spinodally phase-separated glass thin films. <i>Nanotechnology</i> , 2013, 24, 315602.	1.3	47
128	Interplay of Octahedral Tilts and Polar Order in BiFeO ₃ Films. <i>Advanced Materials</i> , 2013, 25, 2497-2504.	11.1	101
129	K ₃ Fe(CN) ₆ : Pressure-Induced Polymerization and Enhanced Conductivity. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24174-24180.	1.5	17
130	Porous poly(ϵ -caprolactone) scaffolds for load-bearing tissue regeneration: Solventless fabrication and characterization. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 1050-1060.	1.6	18
131	Carbon Nanotube Assemblies for Transparent Conducting Electrodes. <i>Nanostructure Science and Technology</i> , 2013, , 117-148.	0.1	3
132	Nanocrystals for Electronic and Optoelectronic Applications. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-2.	1.5	7
133	High Seebeck effects from conducting polymer: Poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) based thin-film device with hybrid metal/polymer/metal architecture. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	14
134	Probing Surface and Bulk Electrochemical Processes on the LaAlO ₃ /SrTiO ₃ Interface. <i>ACS Nano</i> , 2012, 6, 3841-3852.	7.3	65
135	Manipulating Interfaces through Surface Confinement of Poly(glycidyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (methacrylate) Macromolecules, 2012, 45, 6438-6449.	2.2	39
136	Doping-Based Stabilization of the M2 Phase in Free-Standing VO ₂ Nanostructures at Room Temperature. <i>Nano Letters</i> , 2012, 12, 6198-6205.	4.5	145
137	Dielectric-Constant-Enhanced Hall Mobility in Complex Oxides. <i>Advanced Materials</i> , 2012, 24, 3965-3969.	11.1	24
138	Characterization and Carbonization of Highly Oriented Poly(diiododiacetylene) Nanofibers. <i>Macromolecules</i> , 2011, 44, 2626-2631.	2.2	30
139	High Tunability of the Surface-Enhanced Raman Scattering Response with a Metal~Multiferroic Composite. <i>Nano Letters</i> , 2011, 11, 1265-1269.	4.5	22
140	Crystallographically Aligned Carbon Nanotubes Grown on Few-Layer Graphene Films. <i>ACS Nano</i> , 2011, 5, 6403-6409.	7.3	24
141	Electrical and thermal conductivity of low temperature CVD graphene: the effect of disorder. <i>Nanotechnology</i> , 2011, 22, 275716.	1.3	132
142	Structure of Vanadium Oxide Supported on Ceria by Multiwavelength Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25368-25378.	1.5	91
143	Electro-optical properties of electropolymerized poly(3-hexylthiophene)/carbon nanotube composite thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 1269-1275.	2.4	17
144	Giant Magnetic Field Effects on Electroluminescence in Electrochemical Cells. <i>Advanced Materials</i> , 2011, 23, 2216-2220.	11.1	29

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145	PS- <i>b</i> -P3HT Copolymers as P3HT/PCBM Interfacial Compatibilizers for High Efficiency Photovoltaics. <i>Advanced Materials</i> , 2011, 23, 5529-5535.	11.1	110
146	Effects of single walled carbon nanotubes on the electroluminescent performance of organic light-emitting diodes. <i>Organic Electronics</i> , 2011, 12, 1098-1102.	1.4	4
147	Lattice-Symmetry-Driven Phase Competition in Vanadium Dioxide. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1292, 67.	0.1	1
148	Magnetic Studies of Photovoltaic Processes in Organic Solar Cells. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1801-1806.	1.9	6
149	Separation of junction and bundle resistance in single wall carbon nanotube percolation networks by impedance spectroscopy. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	56
150	Processing of loose carbon nanotubes into isolated, high density submicron channels. <i>Nanotechnology</i> , 2010, 21, 115301.	1.3	5
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152	Real Space Mapping of Li-Ion Transport in Amorphous Si Anodes with Nanometer Resolution. <i>Nano Letters</i> , 2010, 10, 3420-3425.	4.5	232
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