

Jinsoo Joo

List of Publications by Year in descending order

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papers

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6743
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#	ARTICLE	IF	CITATIONS
1	High-Resolution Detectivity Multilayer MoS ₂ Phototransistors with Spectral Response from Ultraviolet to Infrared. <i>Advanced Materials</i> , 2012, 24, 5832-5836.	21.0	970
2	Synthesis, characteristics, and field emission of doped and de-doped polypyrrole, polyaniline, poly(3,4-ethylenedioxythiophene) nanotubes and nanowires. <i>Synthetic Metals</i> , 2005, 150, 279-284.	3.9	222
3	Nanocomposite of Polyaniline and Na ⁺ -Montmorillonite Clay. <i>Macromolecules</i> , 2002, 35, 1419-1423.	4.8	199
4	Hybrid nanostructures using π -conjugated polymers and nanoscale metals: synthesis, characteristics, and optoelectronic applications. <i>Chemical Society Reviews</i> , 2010, 39, 2439.	38.1	113
5	Electrically conducting polypyrrole fibers spun by electrospinning. <i>Synthetic Metals</i> , 2005, 153, 61-64.	3.9	108
6	Electrochemical and physical characterization of lithium ionic salt doped polyaniline as a polymer electrode of lithium secondary battery. <i>Synthetic Metals</i> , 2000, 110, 213-217.	3.9	101
7	Charge transport properties of composites of multiwalled carbon nanotube with metal catalyst and polymer: application to electromagnetic interference shielding. <i>Current Applied Physics</i> , 2004, 4, 577-580.	2.4	99
8	Highly Sensitive, Photocontrolled, Organic Thin-Film Transistors Using Soluble Star-shaped Conjugated Molecules. <i>Advanced Functional Materials</i> , 2008, 18, 2905-2912.	14.9	97
9	Complexity in charge transport for multiwalled carbon nanotube and poly(methyl methacrylate) composites. <i>Physical Review B</i> , 2006, 74, .	3.2	80
10	Polyaniline Doped with Dimethyl Sulfate as a Nucleophilic Dopant and Its Electrochemical Properties as an Electrode in a Lithium Secondary Battery and a Redox Supercapacitor. <i>Journal of Physical Chemistry B</i> , 2007, 111, 731-739.	2.6	76
11	Characterization of highly conducting lithium salt doped polyaniline films prepared from polymer solution. <i>Polymer</i> , 2001, 42, 9355-9360.	3.8	71
12	CHARACTERISTICS OF ELECTRICALLY CONDUCTING POLYMER-COATED TEXTILES. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 405, 161-169.	0.9	71
13	Electromagnetic interference shielding by using conductive polypyrrole and metal compound coated on fabrics. <i>Polymers for Advanced Technologies</i> , 2002, 13, 577-583.	3.2	66
14	Flexible and transparent organic film speaker by using highly conducting PEDOT/PSS as electrode. <i>Synthetic Metals</i> , 2003, 139, 457-461.	3.9	60
15	Remarkable Mobility Increase and Threshold Voltage Reduction in Organic Field-Effect Transistors by Overlaying Discontinuous Nano-Patches of Charge-Transfer Doping Layer on Top of Semiconducting Film. <i>Advanced Materials</i> , 2013, 25, 719-724.	21.0	59
16	Bright Light Emission of a Single Polythiophene Nanotube Strand with a Nanometer-scale Metal Coating. <i>Advanced Materials</i> , 2007, 19, 2824-2829.	21.0	58
17	Complex Nanoparticle of Light-Emitting MEH-PPV with Au: Enhanced Luminescence. <i>ACS Nano</i> , 2009, 3, 1329-1334.	14.6	52
18	Photovoltaic Field-Effect Transistors Using a MoS ₂ and Organic Rubrene van der Waals Hybrid. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29848-29856.	8.0	48

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19	Light-Emitting Color Barcode Nanowires Using Polymers: Nanoscale Optical Characteristics. ACS Nano, 2010, 4, 5155-5162.	14.6	46
20	Spectroscopic and morphological studies of highly conducting ion-implanted rigid-rod and ladder polymers. Macromolecules, 1992, 25, 5828-5835.	4.8	45
21	Effects of morphology on the electrical and mechanical properties of the polycarbonate/multi-walled carbon nanotube composites. Macromolecular Research, 2006, 14, 456-460.	2.4	45
22	Flexible all-polymer field effect transistors with optical transparency using electrically conducting polymers. Thin Solid Films, 2005, 477, 169-173.	1.8	43
23	Organic solar cells using plasmonics of Ag nanoprisms. Organic Electronics, 2013, 14, 278-285.	2.6	43
24	Hybrid Characteristics of MoS ₂ Monolayer with Organic Semiconducting Tetracene and Application to Anti-Ambipolar Field Effect Transistor. ACS Applied Materials & Interfaces, 2018, 10, 32556-32566.	8.0	43
25	Rectangular Nanotubes of Copper Phthalocyanine: Application to a Single Nanotube Transistor. Chemistry of Materials, 2010, 22, 2219-2225.	6.7	42
26	Field emission characteristics of electrochemically synthesized nickel nanowires with oxygen plasma post-treatment. Nanotechnology, 2006, 17, 3506-3511.	2.6	41
27	Comparison of lithium//polyaniline secondary batteries with different dopants of HCl and lithium ionic salts. Journal of Power Sources, 2000, 88, 197-201.	7.8	40
28	Light-Emitting Rubrene Nanowire Arrays: A Comparison with Rubrene Single Crystals. Advanced Functional Materials, 2009, 19, 704-710.	14.9	40
29	Significantly Enhanced Photoluminescence of Doped Polymer-Metal Hybrid Nanotubes. Advanced Functional Materials, 2008, 18, 2526-2534.	14.9	38
30	Poly(vinylidene fluoride) transducers with highly conducting poly(3,4-ethylenedioxythiophene) electrodes. Synthetic Metals, 2005, 152, 49-52.	3.9	36
31	Poly(3-hexylthiophene)/Multiwalled Carbon Hybrid Coaxial Nanotubes: Nanoscale Rectification and Photovoltaic Characteristics. ACS Nano, 2010, 4, 4197-4205.	14.6	34
32	Oligonucleotide assisted light-emitting Alq ₃ microrods: energy transfer effect with fluorescent dyes. Chemical Communications, 2013, 49, 5360.	4.1	34
33	Significant enhancement of photoresponsive characteristics and mobility of MoS ₂ -based transistors through hybridization with perovskite CsPbBr ₃ quantum dots. Nano Research, 2019, 12, 405-412.	10.4	33
34	Doped and de-doped polypyrrole nanowires by using a BMIMPF ₆ ionic liquid. Synthetic Metals, 2007, 157, 910-913.	3.9	30
35	Luminescence, charge mobility, and optical waveguiding of two-dimensional organic rubrene nanosheets: Comparison with one-dimensional nanorods. Organic Electronics, 2012, 13, 2047-2055.	2.6	30
36	Humidity-dependent characteristics of thin film poly(3,4-ethylenedioxythiophene) field-effect transistor. Synthetic Metals, 2005, 155, 176-179.	3.9	29

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37	Tuning and Enhancing Photoluminescence of Light-Emitting Polymer Nanotubes through Electron-Beam Irradiation. <i>Advanced Functional Materials</i> , 2009, 19, 567-572.	14.9	29
38	Highly bright and sharp light emission of a single nanoparticle of crystalline rubrene. <i>Journal of Materials Chemistry</i> , 2011, 21, 8002.	6.7	28
39	New growth method of rubrene single crystal for organic field-effect transistor. <i>Synthetic Metals</i> , 2007, 157, 481-484.	3.9	25
40	Nanoscale optical and photoresponsive electrical properties of P3HT and PCBM composite nanowires. <i>Organic Electronics</i> , 2011, 12, 1695-1700.	2.6	25
41	Distinctive Field-Effect Transistors and Ternary Inverters Using Cross-Type WSe ₂ /MoS ₂ Heterojunctions Treated with Polymer Acid. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36530-36539.	8.0	25
42	Phototransistors: High-Detectivity Multilayer MoS ₂ Phototransistors with Spectral Response from Ultraviolet to Infrared (<i>Adv. Mater.</i> 43/2012). <i>Advanced Materials</i> , 2012, 24, 5902-5902.	21.0	24
43	Enhancement of photoresponsive electrical characteristics of multilayer MoS ₂ transistors using rubrene patches. <i>Nano Research</i> , 2015, 8, 790-800.	10.4	24
44	Fine Characteristics Tailoring of Organic and Inorganic Nanowires Using Focused Electron-Beam Irradiation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3734-3738.	13.8	23
45	Remote Biosensing with Polychromatic Optical Waveguide Using Blue Light-Emitting Organic Nanowires Hybridized with Quantum Dots. <i>Advanced Functional Materials</i> , 2014, 24, 3684-3691.	14.9	23
46	Sensitive optical bio-sensing of p-type WSe ₂ hybridized with fluorescent dye attached DNA by doping and de-doping effects. <i>Nanotechnology</i> , 2017, 28, 435501.	2.6	22
47	Electrical characteristics of light-emitting diode based on poly(p-phenylenevinylene) derivatives: CzEH-PPV and OxdEH-PPV. <i>Synthetic Metals</i> , 2002, 130, 279-283.	3.9	21
48	DNA detection using a light-emitting polymer single nanowire. <i>Chemical Communications</i> , 2011, 47, 7944.	4.1	21
49	Anisotropic optical absorption of organic rubrene single nanoplates and thin films studied by $\frac{1}{4}$ -mapping absorption spectroscopy. <i>Applied Physics Letters</i> , 2012, 101, 113103.	3.3	21
50	Photosensitive n-Type Doping Using Perovskite CsPbX ₃ Quantum Dots for Two-Dimensional MSe ₂ (M = Mo and W) Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25159-25167.	8.0	21
51	Confocal Raman spectroscopy of single poly(3-methylthiophene) nanotubes. <i>Journal of Applied Physics</i> , 2007, 101, 053514.	2.5	20
52	Quantum dot and π -conjugated molecule hybrids: nanoscale luminescence and application to photoresponsive molecular electronics. <i>NPG Asia Materials</i> , 2014, 6, e103-e103.	7.9	19
53	Local Enhancement of Exciton Emission of Monolayer MoS ₂ by Copper Phthalocyanine Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6794-6800.	3.1	19
54	Confocal microscope photoluminescence and electrical characteristics of single poly(3-hexylthiophene) nanowire strand. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	18

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55	Surface enhanced Raman scattering effect of CdSe/ZnS quantum dots hybridized with Au nanowire. Applied Physics Letters, 2013, 102, 033109.	3.3	18
56	Single nanoparticle of organic p-type and n-type hybrid materials: nanoscale phase separation and photovoltaic effect. Journal of Materials Chemistry, 2012, 22, 2485-2490.	6.7	17
57	Luminescence enhancement by surface plasmon assisted Förster resonance energy transfer in quantum dots and light emitting polymer hybrids with Au nanoparticles. Synthetic Metals, 2014, 187, 130-135.	3.9	17
58	Pet Fabric/Poly(3,4-Ethylenedioxythiophene) Composite with High Electrical Conductivity for EMI Shielding. Molecular Crystals and Liquid Crystals, 2007, 464, 109/[691]-117/[699].	0.9	16
59	Effects of electron-beam irradiation on conducting polypyrrole nanowires. Applied Physics Letters, 2009, 94, 053111.	3.3	16
60	Formation of Nanoislands on Conducting Poly(3,4-ethylenedioxythiophene) Films by High-Energy-Ion Irradiation: Applications as Field Emitters and Capacitor Electrodes. Advanced Functional Materials, 2005, 15, 1465-1470.	14.9	15
61	Electrical characteristics of organic perylene single-crystal-based field-effect transistors. Journal of Applied Physics, 2007, 102, .	2.5	15
62	Luminescence variation of organic Alq3 nanoparticles on surface of Au nanoparticles and graphene. Synthetic Metals, 2012, 162, 1852-1857.	3.9	15
63	Photo-responsive MoS ₂ /organic-rubrene heterojunction field-effect-transistor: application to photo-triggered ternary inverter. Semiconductor Science and Technology, 2020, 35, 065020.	2.0	15
64	Light emission of a single strand of poly(3,4-ethylenedioxythiophene) (PEDOT) nanowire. Synthetic Metals, 2008, 158, 90-94.	3.9	14
65	Photovoltaic characteristics of organic solar cells using Zn-porphyrin derivatives with controlled π -conjugation structures. Synthetic Metals, 2012, 162, 813-819.	3.9	14
66	Electrospinning and optical characterization of organic rubrene nanofibers. Journal of Applied Physics, 2012, 111, .	2.5	14
67	Photo-induced negative differential resistance of organic thin film transistors using anthracene derivatives. Organic Electronics, 2013, 14, 2204-2209.	2.6	14
68	Dual-mode waveguiding of Raman and luminescence signals in a crystalline organic microplate. Journal of Materials Chemistry C, 2014, 2, 6077-6083.	5.5	14
69	Surface modification of Ni and Co metal nanowires through MeV high energy ion irradiation. Current Applied Physics, 2009, 9, 847-851.	2.4	13
70	Raman Study of Polymer-Metal Hybrid Nanotubes Using Atomic Force/Confocal Combined Microscope. Japanese Journal of Applied Physics, 2007, 46, 5556.	1.5	12
71	Fabrication and electrical characteristics of organic thin film transistor using π -conjugated dendrimer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 431-434.	4.7	12
72	Core-shell nanoparticle of silver coated with light-emitting rubrene: Surface plasmon enhanced photoluminescence. Synthetic Metals, 2011, 161, 2103-2106.	3.9	12

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73	Tuning photoluminescence of organic rubrene nanoparticles through a hydrothermal process. <i>Nanoscale Research Letters</i> , 2011, 6, 405.	5.7	12
74	Tuning optical properties of poly(3-hexylthiophene) nanoparticles through hydrothermal processing. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 025002.	6.1	12
75	High-yield and environment-minded fabrication of nanoporous anodic aluminum oxide templates. <i>RSC Advances</i> , 2015, 5, 26872-26877.	3.6	12
76	Comparison of electrical characteristics for p-type and n-type organic thin film transistors using copper phthalocyanine. <i>Synthetic Metals</i> , 2008, 158, 553-555.	3.9	11
77	Electrochemical Synthesis and Nanoscale Photoluminescence of Poly(3-butylthiophene) Nanowire. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, K69.	2.2	11
78	Optically active charge transfer in hybrids of Alq ₃ nanoparticles and MoS ₂ monolayer. <i>Nanotechnology</i> , 2017, 28, 185702.	2.6	11
79	Photoresponsive characteristics and hysteresis of soluble 6,13-bis(triisopropyl-silylethynyl)-pentacene-based organic thin film transistors with and without annealing. <i>Journal of Applied Physics</i> , 2010, 107, 033711.	2.5	10
80	Nanoscale luminescence characteristics of CdSe/ZnS quantum dots hybridized with organic and metal nanowires: energy transfer effects. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2145.	5.5	10
81	Photo-responsive transistors of CVD grown single-layer MoS ₂ and its nanoscale optical characteristics. <i>Current Applied Physics</i> , 2016, 16, 1320-1325.	2.4	10
82	Surface-enhanced Raman scattering for 2-D WSe ₂ hybridized with functionalized gold nanoparticles. <i>Optics Express</i> , 2016, 24, 27546.	3.4	10
83	Unusual enhancement of fluorescence and Raman scattering of core-shell nanostructure of polydiacetylene and Ag nanoparticle. <i>Synthetic Metals</i> , 2018, 236, 19-23.	3.9	10
84	Protein Recognition by Phase Transition of Aptamer-Linked Polythiophene Single Nanowire. <i>Small</i> , 2016, 12, 1154-1158.	10.0	9
85	Variation of photoluminescence of organic semiconducting-rubrene microplate depending on the thicknesses of two-dimensional MoS ₂ layers. <i>Synthetic Metals</i> , 2016, 220, 8-13.	3.9	9
86	Charge-Transfer Effect and Enhanced Photoresponsivity of WS ₂ - and MoSe ₂ -Based Field Effect Transistors with Γ -Conjugated Polyelectrolyte. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40880-40890.	8.0	9
87	Nanoscale photoluminescence of light-emitting poly(3-methylthiophene) nanotubes hybridized with Au nanoparticles. <i>Synthetic Metals</i> , 2010, 160, 604-608.	3.9	8
88	Photoluminescence and Optical Waveguiding Characteristics of Bisalkoxy Tin(IV) Porphyrin Microcrystals. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2768-2771.	3.3	8
89	Fine Control of Photoluminescence and Optical Waveguiding Characteristics of Organic Rubrene Nanorods Using Focused Electron-Beam Irradiation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30179-30186.	3.1	8
90	Enhanced luminescence and photocurrent of organic microrod/ZnO nanoparticle hybrid system: Nanoscale optical and electrical characteristics. <i>Electronic Materials Letters</i> , 2015, 11, 741-748.	2.2	8

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91	Significantly Increased Photoresponsivity of WSe ₂ -Based Transistors through Hybridization with Gold-Tetraphenylporphyrin as Efficient Type Dopant. <i>Advanced Electronic Materials</i> , 2019, 5, 1800802.	5.1	8
92	Improved Conducting States Induced by an Electrochemical Charging Process in Polyaniline Film Doped with New Dopants. <i>Journal of the Electrochemical Society</i> , 2002, 149, A478.	2.9	7
93	Electrochemical polymerization of polypyrrole (PPy) and poly(3-hexylthiophene) (P3HT) using functionalized single-wall carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 72-76.	4.7	7
94	Luminescent Efficiency and Color for Poly(3-butylthiophene) Nanowires Through Metal Coating: Color CCD Confirmation. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, K5.	2.2	7
95	Polarized photoluminescence characteristics of rubrene sheets with nanometer thickness. <i>Physical Review B</i> , 2012, 86, .	3.2	7
96	Self-Assembled Monolayers Made of 6-(5-((6-((5-hexylthiophen-2-yl)ethynyl)-9,10-bis(phenylethynyl)anthracen-2-yl)ethynyl)thiophen-2-yl)hexyl 3-(Triethoxysilyl)Propylcarbamate for Ultrathin Film Transistors. <i>Langmuir</i> , 2012, 28, 10948-10955.	3.5	7
97	Gold nanoparticle hybridized rubrene nanofibers made by electrospinning: enhancement of optical and structural properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1830.	5.5	7
98	Conducting polymer/clay nanocomposites and their applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 1559-81.	0.9	7
99	ALL-POLYMER FET BASED ON SIMPLE PHOTOLITHOGRAPHIC MICRO-PATTERNING OF ELECTRICALLY CONDUCTING POLYMER. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 405, 171-178.	0.9	6
100	Gate-field dependent photosensitivity of soluble 1,2,4,5-tetra(5-hexyl-[2,2'-terthiophenyl-5-vinyl]-benzene based organic thin film transistors. <i>Journal of Applied Physics</i> , 2010, 108, 023703.	2.5	6
101	Photoresponsive ambipolar transport characteristics of organic thin film transistors using soluble HB-ant-THT and PCBM composites. <i>Synthetic Metals</i> , 2012, 162, 332-336.	3.9	6
102	Plasmon-enhanced Raman scattering of coaxial hybrid nanowires made with light-emitting polymer and gold. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 965-970.	2.5	6
103	Hybrid effects of CdSe/ZnS quantum dots on p-n heterojunction organic nanowire. <i>Synthetic Metals</i> , 2013, 163, 1-6.	3.9	6
104	Waveguiding characteristics of surface enhanced Raman scattering signals along crystalline organic semiconducting microrod. <i>Optics Express</i> , 2017, 25, 6215.	3.4	6
105	Energy and charge transfer effects in two-dimensional van der Waals hybrid nanostructures on periodic gold nanopost array. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	6
106	Evolution of Light Absorption and Emission Characteristics of Organic Perylene Nanoparticles through Hydrothermal Process: Application to Solar Cells. <i>Advanced Functional Materials</i> , 2011, 21, 3056-3063.	14.9	5
107	Hybrid effect of doped and de-doped poly(3-methylthiophene) nanowires with CdSe/ZnS quantum dots: Nanoscale luminescence variation. <i>Synthetic Metals</i> , 2013, 164, 22-26.	3.9	5
108	Nanoscale optoelectronic properties of organic p-n junction P3HT/PCBM nanoparticles hybridized with CdSe/ZnS quantum dots. <i>Synthetic Metals</i> , 2014, 193, 17-22.	3.9	5

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109	Nanoscale photovoltaic characteristics of single quantum dot hybridized with poly(3-hexylthiophene). <i>Organic Electronics</i> , 2014, 15, 2893-2902.	2.6	5
110	Enhanced Local and Nonlocal Photoluminescence of Organic Rubrene Microrods using Surface Plasmon of Gold Nanoparticles: Applications to Ultrasensitive and Remote Biosensing. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11612-11620.	3.1	5
111	Percolation threshold related to field-effect transistors using thin multi-walled carbon nanotubes composites. <i>Synthetic Metals</i> , 2009, 159, 2034-2037.	3.9	4
112	Synthesis, Characteristics, and Applications of Intrinsically Light-Emitting Polymer Nanostructures. <i>Advances in Polymer Science</i> , 2013, , 201-244.	0.8	4
113	Enhanced photoresponsive mobility of rubrene nanosheet-based organic field effect transistors through hybridization with CdSe/ZnS quantum dots. <i>Synthetic Metals</i> , 2014, 190, 8-12.	3.9	4
114	Fine luminescent patterning on ZnO nanowires and films using focused electron-beam irradiation. <i>Current Applied Physics</i> , 2014, 14, 1228-1233.	2.4	4
115	Carbon Nanotube-Organized Polymeric Fibers and Measurement of Their Electrical Conductivity. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 464, 15/[597]-21/[603].	0.9	3
116	Organic Field-Effect Transistors: Remarkable Mobility Increase and Threshold Voltage Reduction in Organic Field-Effect Transistors by Overlaying Discontinuous Nano-Patches of Charge-Transfer Doping Layer on Top of Semiconducting Film (<i>Adv. Mater.</i> 5/2013). <i>Advanced Materials</i> , 2013, 25, 646-646.	21.0	3
117	Energy and charge transfer effects for hybrids of perovskite CsPbBr ₃ quantum dots on organic semiconducting rubrene nanosheet. <i>Organic Electronics</i> , 2019, 65, 243-250.	2.6	3
118	Partial metal coated light emitting polymers: Direct observation of enhanced photoluminescence. <i>Synthetic Metals</i> , 2009, 159, 22-25.	3.9	2
119	Nanojunctions in conducting polypyrrole single nanowire made by focused electron beam: Charge transport characteristics. <i>Journal of Applied Physics</i> , 2011, 110, 024308.	2.5	2
120	Nanoscale luminescence and optical waveguiding characteristics of organic CN-TFMBE nanowires and hybrid coaxial nanowires. <i>Synthetic Metals</i> , 2012, 162, 1299-1302.	3.9	2
121	Electric-field controlled light-emissive characteristics in nanoscale for polymer/fullerene organic solar cells. <i>Organic Electronics</i> , 2012, 13, 1377-1381.	2.6	2
122	Optical Waveguiding: Remote Biosensing with Polychromatic Optical Waveguide Using Blue Light-Emitting Organic Nanowires Hybridized with Quantum Dots (<i>Adv. Funct. Mater.</i> 24/2014). <i>Advanced Functional Materials</i> , 2014, 24, 3683-3683.	14.9	2
123	Electrically controlled photoluminescence efficiency of organic rubrene microplates. <i>Synthetic Metals</i> , 2015, 199, 394-399.	3.9	2
124	Enhanced blue photoluminescence and new crystallinity of Ag/organic rubrene core-shell nanoparticles through hydrothermal treatment. <i>Current Applied Physics</i> , 2020, 20, 1201-1206.	2.4	2
125	Low dielectric constant of MeV ion-implanted poly(vinylidene fluoride). <i>Macromolecular Research</i> , 2003, 11, 9-13.	2.4	1
126	High energy ion irradiation effect on light-emitting poly(3-methylthiophene) (P3MT) nanowires. <i>Synthetic Metals</i> , 2009, 159, 1191-1194.	3.9	1

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127	Energy transfer effect of hybrid organic rubrene nanorod with CdSe/ZnS quantum dots: Application to optical waveguiding modulators. <i>Synthetic Metals</i> , 2014, 198, 285-292.	3.9	1
128	Abnormal behavior of optical signal transfer in π -conjugated organic microplates and focused electron-beam-treated nanorods. <i>Synthetic Metals</i> , 2016, 216, 59-64.	3.9	1
129	Molecular crystallization of rubrene thin films assisted by gold nanoparticles. <i>Current Applied Physics</i> , 2022, , .	2.4	1
130	High hysteresis and distinctive optoelectronic memory effect for ambipolar thin-film transistors using a conjugated polymer having Donor- π -Acceptor heterojunction. <i>Organic Electronics</i> , 2022, , 106599.	2.6	1
131	Phase-Transition Nanowires: Protein Recognition by Phase Transition of Aptamer-Linked Polythiophene Single Nanowire (Small 9/2016). <i>Small</i> , 2016, 12, 1153-1153.	10.0	0
132	Optical Characteristics of Hybrid-Nanostructures Using 2D Semiconductors and Applications to Photo-Triggered Field-Effect-Transistors and Sensitive Photodetectors. , 2019, , .		0