

# Yu Chen

## List of Publications by Year in Descending Order

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

102  
papers

5,667  
citations

40  
h-index

74  
g-index

102  
ext. papers

6,308  
ext. citations

8.6  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
102	Donor-acceptor-type poly[chalcogenoviologen--triphenylamine] for synaptic biomimicking and neuromorphic computing.. <i>IScience</i> , <b>2022</b> , 25, 103640	6.1	0
101	Cyanospirobifluorene-based conjugated polyelectrolytes: Synthesis and tunable nonvolatile information storage performance. <i>European Polymer Journal</i> , <b>2022</b> , 163, 110940	5.2	0
100	Polyfluorene-based conjugated polyelectrolyte containing metalloporphyrin for biomimetic memristive devices. <i>Organic Electronics</i> , <b>2022</b> , 102, 106447	3.5	1
99	Photoelectric Dual Response Nonvolatile Memory Device Based on Black Phosphorus Quantum Dots and Fullerene Derivative Composite. <i>Advanced Electronic Materials</i> , <b>2022</b> , 8, 2101143	6.4	
98	MoS2 nanosheets functionalized with ferrocene-containing polymer via SI-ATRP for memristive devices with multilevel resistive switching. <i>European Polymer Journal</i> , <b>2022</b> , 111316	5.2	1
97	90% yield production of polymer nano-memristor for in-memory computing. <i>Nature Communications</i> , <b>2021</b> , 12, 1984	17.4	22
96	Two-dimensional black phosphorus: Properties, fabrication and application for flexible supercapacitors. <i>Chemical Engineering Journal</i> , <b>2021</b> , 412, 128744	14.7	10
95	Ether-linked porphyrin covalent organic framework with broadband optical switch. <i>IScience</i> , <b>2021</b> , 24, 102526	6.1	4
94	Conjugated polymer covalently modified multi-walled carbon nanotubes for flexible nonvolatile RRAM devices. <i>European Polymer Journal</i> , <b>2021</b> , 142, 110153	5.2	4
93	Topological defect-containing Fe/N co-doped mesoporous carbon nanosheets as novel electrocatalysts for the oxygen reduction reaction and Zn-air batteries. <i>Nanoscale</i> , <b>2021</b> , 13, 13249-13255	7.7	1
92	Optoelectrical Switching of Nonfullerene Acceptor Y6 and BPQD-Based Bulk Heterojunction Memory Device through Photoelectric Effect. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2001191	6.4	4
91	Quantitative and systematic designing of fluorophores enables ultrasensitive distinguishing carbonyls. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 12661-12668	3.6	2
90	Two-dimensional nanomaterials and their derivatives for laser protection. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2020</b> , 69, 184201	0.6	1
89	Solution-processable black phosphorus nanosheets covalently modified with polyacrylonitrile for nonvolatile resistive random access memory. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 1231-1238	7.1	10
88	Organic Small Molecule Covalently Functionalized Molybdenum Disulfide Hybrid Material for Optical Limiting. <i>Bulletin of the Chemical Society of Japan</i> , <b>2020</b> , 93, 26-31	5.1	4
87	Perfluorinated gallium phthalocyanine axially grafted black phosphorus nanosheets for optical limiting. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 10197-10203	7.1	11
86	Iron clusters boosted performance in electrocatalytic carbon dioxide conversion. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 21661-21667	13	6

85	Fabrication and nonlinear optical characterization of fluorinated zinc phthalocyanine covalently modified black phosphorus/PMMA films using the nanosecond Z-scan technique. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 10789-10794	7.1	22
84	Direct covalent modification of black phosphorus quantum dots with conjugated polymers for information storage. <i>Nanoscale</i> , <b>2019</b> , 11, 3527-3533	7.7	33
83	Precision construction of high-efficiency heterojunction polymer memory devices via electrochemical polymerization. <i>Organic Electronics</i> , <b>2019</b> , 69, 153-159	3.5	4
82	Viologen-inspired functional materials: synthetic strategies and applications. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 23337-23360	13	87
81	Two-dimensional graphdiyne analogue Co-coordinated porphyrin covalent organic framework nanosheets as a stable electrocatalyst for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 5575-5582	13	57
80	Redox gated polymer memristive processing memory unit. <i>Nature Communications</i> , <b>2019</b> , 10, 736	17.4	55
79	Donor-acceptor type black phosphorus nanosheets covalently functionalized with a conjugated polymer for laser protection. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 6003-6009	4.9	11
78	Enabling superior stretchable resistive switching memory via polymer-functionalized graphene oxide nanosheets. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 14664-14671	7.1	11
77	MoS quantum dots chemically modified with porphyrin for solid-state broadband optical limiters. <i>Nanoscale</i> , <b>2019</b> , 11, 20449-20455	7.7	16
76	Recent Progress in Two-Dimensional Nanomaterials for Laser Protection. <i>Chemistry</i> , <b>2019</b> , 1, 17-43	2.1	14
75	In-situ growing D-A polymer from the surface of reduced graphene oxide: Synthesis and nonvolatile ternary memory effect. <i>Carbon</i> , <b>2019</b> , 143, 851-858	10.4	10
74	Organophosphorus-based polymer covalently functionalized reduced graphene oxide: In-situ synthesis and nonvolatile memory effect. <i>Carbon</i> , <b>2019</b> , 141, 758-767	10.4	16
73	Covalent Functionalization of Black Phosphorus with Conjugated Polymer for Information Storage. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 4543-4548	16.4	99
72	Viologen-Hypercrosslinked Ionic Porous Polymer Films as Active Layers for Electronic and Energy Storage Devices. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701679	4.6	15
71	Macrocyclic triphenylamine-based push-pull type polymer memristive material: synthesis and characterization. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4023-4029	7.1	15
70	Covalent Functionalization of Black Phosphorus with Conjugated Polymer for Information Storage. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 4633-4638	3.6	11
69	Covalent Modification of Graphene Oxide with Poly(N-vinylcarbazole) Containing Pendant Azobenzene Chromophores for Nonvolatile Ternary memories. <i>Carbon</i> , <b>2018</b> , 134, 500-506	10.4	25
68	Pyrolytically Modified Polyacrylonitrile-Covalently Grafted MoS <sub>2</sub> Nanosheets for a Nonvolatile Rewritable Memory Device. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700397	6.4	20

67	Recent Advances in RAFT Polymerization: Novel Initiation Mechanisms and Optoelectronic Applications. <i>Polymers</i> , <b>2018</b> , 10,	4.5	58
66	Donor-acceptor type helical polyisocyanide bearing carbazole as the pendant groups for nonvolatile memory effect. <i>European Polymer Journal</i> , <b>2018</b> , 106, 196-201	5.2	5
65	Donor-acceptor type blends composed of black phosphorus and C for solid-state optical limiters. <i>Chemical Communications</i> , <b>2018</b> , 54, 366-369	5.8	34
64	Viologen-bridged polyaniline based multifunctional heterofilms for all-solid-state supercapacitors and memory devices. <i>European Polymer Journal</i> , <b>2018</b> , 98, 125-136	5.2	17
63	Reduced Graphene Oxide Chemically Modified with Aggregation-Induced Emission Polymer for Solid-State Optical Limiter. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 19317-19322	4.8	6
62	Azulene-bridged coordinated framework based quasi-molecular rectifier. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 2223-2229	7.1	11
61	Solution-processable poly(N-vinylcarbazole)-covalently grafted MoS nanosheets for nonvolatile rewritable memory devices. <i>Nanoscale</i> , <b>2017</b> , 9, 2449-2456	7.7	34
60	BODIPY-based conjugated polymer covalently grafted reduced graphene oxide for flexible nonvolatile memory devices. <i>Carbon</i> , <b>2017</b> , 116, 713-721	10.4	23
59	Indacenodithiophene: a promising building block for high performance polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10798-10814	13	73
58	A donor-acceptor structured conjugated copolymer for flexible memory device. <i>Organic Electronics</i> , <b>2017</b> , 49, 269-277	3.5	7
57	MoS <sub>2</sub> nanosheets covalently functionalized with polyacrylonitrile: synthesis and broadband laser protection performance. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 11920-11926	7.1	20
56	Viologen-based conjugated ionic polymer for nonvolatile rewritable memory device. <i>European Polymer Journal</i> , <b>2017</b> , 94, 222-229	5.2	11
55	Conjugated polymer covalently modified graphene oxide quantum dots for ternary electronic memory devices. <i>Nanoscale</i> , <b>2017</b> , 9, 10610-10618	7.7	45
54	Graphene and its derivatives for laser protection. <i>Progress in Materials Science</i> , <b>2016</b> , 84, 118-157	42.2	85
53	Design and Synthesis of a Low Bandgap Small Molecule Acceptor for Efficient Polymer Solar Cells. <i>Advanced Materials</i> , <b>2016</b> , 28, 8283-8287	24	373
52	An organic terpyridyl-iron polymer based memristor for synaptic plasticity and learning behavior simulation. <i>RSC Advances</i> , <b>2016</b> , 6, 25179-25184	3.7	37
51	High-efficiency bulk heterojunction memory devices fabricated using organometallic halide perovskite:poly(N-vinylcarbazole) blend active layers. <i>Dalton Transactions</i> , <b>2016</b> , 45, 484-8	4.3	28
50	Covalent Modification of MoS <sub>2</sub> with Poly(N-vinylcarbazole) for Solid-State Broadband Optical Limiters. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 4500-7	4.8	27

49	Organic Biomimicking Memristor for Information Storage and Processing Applications. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500298	6.4	130
48	In Situ Synthesis and Characterization of Poly(aryleneethynylene)-Grafted Reduced Graphene Oxide. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 2247-52	4.8	11
47	Synthesis and tunable electrical behavior of polyfluorene functionalized with triphenylamine and (3-methyl-1-imidazolium-yl)hexyl side chains. <i>RSC Advances</i> , <b>2016</b> , 6, 51732-51737	3.7	5
46	Highly Efficient Fullerene-Free Polymer Solar Cells Fabricated with Polythiophene Derivative. <i>Advanced Materials</i> , <b>2016</b> , 28, 9416-9422	24	253
45	A Facile One-Pot Synthesis of a Two-Dimensional MoS <sub>2</sub> /Bi <sub>2</sub> S <sub>3</sub> Composite Theranostic Nanosystem for Multi-Modality Tumor Imaging and Therapy. <i>Advanced Materials</i> , <b>2015</b> , 27, 2775-82	24	334
44	Synthesis and nonvolatile memristive switching effect of a donor-acceptor structured oligomer. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 664-673	7.1	26
43	Covalent modification of graphene oxide with carbazole groups for laser protection. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 4622-7	4.8	16
42	A solution-processable polymer-grafted graphene oxide derivative for nonvolatile rewritable memory. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 2010-2017	4.9	32
41	Thermally-stable resistive switching with a large ON/OFF ratio achieved in poly(triphenylamine). <i>Chemical Communications</i> , <b>2014</b> , 50, 11856-8	5.8	55
40	Eleven-Membered Fused-Ring Low Band-Gap Polymer with Enhanced Charge Carrier Mobility and Photovoltaic Performance. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3631-3638	15.6	94
39	Dithienopyrrole-/Benzodithiophene-Based Donor-Acceptor Polymers for Memristor. <i>ChemPlusChem</i> , <b>2014</b> , 79, 1263-1270	2.8	26
38	Polymer memristor for information storage and neuromorphic applications. <i>Materials Horizons</i> , <b>2014</b> , 1, 489	14.4	146
37	Fluoro-benzoselenadiazole-based low band gap polymers for high efficiency organic solar cells. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 330-334	4.9	27
36	The effect of thieno[3,2-b]thiophene on the absorption, charge mobility and photovoltaic performance of diketopyrrolopyrrole-based low bandgap conjugated polymers. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 7526	7.1	34
35	In situ synthesis and nonvolatile rewritable-memory effect of polyaniline-functionalized graphene oxide. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 6265-73	4.8	49
34	Push-Bull archetype of reduced graphene oxide functionalized with polyfluorene for nonvolatile rewritable memory. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 378-387	2.5	67
33	Soluble reduced graphene oxide functionalized with conjugated polymer for heterojunction solar cells. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 1663-1671	2.5	17
32	Graphene and its derivatives: switching ON and OFF. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 4688-707	58.5	219

31	Synthesis and strong optical limiting response of graphite oxide covalently functionalized with gallium phthalocyanine. <i>Nanotechnology</i> , <b>2011</b> , 22, 205704	3.4	32
30	Charm-bracelet-type poly(N-vinylcarbazole) functionalized with reduced graphene oxide for broadband optical limiting. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 780-5	4.8	63
29	Nonvolatile rewritable memory effects in graphene oxide functionalized by conjugated polymer containing fluorene and carbazole units. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 10304-11	4.8	62
28	Conjugated polymer-grafted reduced graphene oxide for nonvolatile rewritable memory. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 13646-52	4.8	67
27	Electrical conductivity switching and memory effects in poly(N-vinylcarbazole) derivatives with pendant azobenzene chromophores and terminal electron acceptor moieties. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6027		77
26	Graphene oxide covalently functionalized with zinc phthalocyanine for broadband optical limiting. <i>Carbon</i> , <b>2011</b> , 49, 1900-1905	10.4	231
25	Functionalization of reduced graphene oxide nanosheets via stacking interactions with the fluorescent and water-soluble perylene bisimide-containing polymers. <i>Polymer</i> , <b>2011</b> , 52, 2376-2383	3.9	77
24	Polyfluorene-Based PushPull Type Functional Materials for Write-Once-Read-Many-Times Memory Devices. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4455-4461	9.6	87
23	Nonlinear optical and optical limiting properties of graphene families. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 033107	3.4	222
22	Lossless synthesis of graphene nanosheets decorated with tiny cadmium sulfide quantum dots with excellent nonlinear optical properties. <i>Nanotechnology</i> , <b>2010</b> , 21, 75601	3.4	108
21	Preparation and Memory Performance of a Nanoaggregated Dispersed Red 1-Functionalized Poly (N-vinylcarbazole) Film via Solution-Phase Self-Assembly. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2916-2922	15.6	102
20	Conjugated-polymer-functionalized graphene oxide: synthesis and nonvolatile rewritable memory effect. <i>Advanced Materials</i> , <b>2010</b> , 22, 1731-5	24	359
19	Poly(N-vinylcarbazole) chemically modified graphene oxide. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 2642-2649	2.5	83
18	Long-lived charge-separated configuration of a push-pull archetype of Disperse Red 1 end-capped poly[9,9-bis(4-diphenylaminophenyl)fluorene]. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6370-1	16.4	48
17	Carbon nanotubes and nanotube composites for nonlinear optical devices. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 7425		182
16	Thermally stable polymer memory devices based on a $\pi$ -conjugated triad. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 143302	3.4	45
15	Ultrasound-assisted bulk synthesis of Cds-PVK nanocomposites via RAFT polymerization. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 5702-5707	2.5	18
14	Enhancement of optical limiting response by embedding gallium phthalocyanine into polymer host. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2007</b> , 189, 414-417	4.7	31

13	Soluble axially substituted phthalocyanines: Synthesis and nonlinear optical response. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 2169	4.3	82
12	Synthesis of the axially substituted titanium Pc-C60 dyad with a convenient method. <i>Organic Letters</i> , <b>2005</b> , 7, 1613-6	6.2	59
11	Axially modified gallium phthalocyanines and naphthalocyanines for optical limiting. <i>Chemical Society Reviews</i> , <b>2005</b> , 34, 517-29	58.5	264
10	Synthesis and nonlinear optical properties of fluorine-containing naphthalocyanines. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 2758-62	4.8	44
9	New axially aryloxy substituted gallium phthalocyanines for nonlinear optics. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2405		27
8	Synthesis and optical limiting properties of axially bridged phthalocyanines: [(tBu4PcGa)2O] and [(tBu4PcIn)2O]. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 4248-54	4.8	61
7	Synthesis and Characterization of Soluble Axially Substituted Tetra-(tert-butyl)gallium(III)phthalocyanines. <i>European Journal of Inorganic Chemistry</i> , <b>2002</b> , 2002, 1032-1034	2.3	24
6	Preparation and structural characterization of a star-shaped C60HxBTPVKx copolymer. <i>European Polymer Journal</i> , <b>1998</b> , 34, 1755-1762	5.2	80
5	Synthesis and characterization of a soluble and starlike C60(CH3)x(PAN)x copolymer. <i>European Polymer Journal</i> , <b>1997</b> , 33, 823-828	5.2	26
4	The synthesis and characterization of C60 chemically modified poly(N-vinylcarbazole). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1996</b> , 34, 631-640	2.6	61
3	Proton-responsive azulene-based conjugated polymer with nonvolatile memory effects. <i>New Journal of Chemistry</i> ,	3.6	2
2	MoS2 nanosheets chemically modified with metal phthalocyanine via mussel-inspired chemistry for multifunctional memristive devices. <i>Journal of Materials Chemistry C</i> ,	7.1	5
1	Improving the Long-Term Stability of BPQD-Based Memory Device via Modification with Polyvinylpyrrolidone-Grafted Polydopamine. <i>Advanced Electronic Materials</i> , 2101057	6.4	1