

# Penglei Chen

## List of Publications by Year in descending order

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59  
papers

3,258  
citations

212478

28  
h-index

162838

57  
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59  
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59  
docs citations

59  
times ranked

5198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-10 nm Ag/AgX (X = Br, Cl) Nanoparticles: Superior Visible-Light-Driven Plasmonic Photocatalysts. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	3
2	0D, 1D, and 2D Supramolecular Nanoassemblies of a Porphyrin: Controllable Assembly, and Dimensionality-Dependent Catalytic Performances. <i>Advanced Functional Materials</i> , 2021, 31, 2100367.	7.8	26
3	High-performance natural-sunlight-driven Ag/AgCl photocatalysts with a cube-like morphology and blunt edges via a bola-type surfactant-assisted synthesis. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3940-3952.	1.3	17
4	Facile synthesis of new polyhedron-like WO <sub>3</sub> /butterfly-like Ag <sub>2</sub> MoO <sub>4</sub> p-n junction photocatalysts with higher photocatalytic activity in UV/solar region light. <i>New Journal of Chemistry</i> , 2020, 44, 3194-3205.	1.4	12
5	All-covalently-implanted FETs with ultrahigh solvent resistibility and exceptional electrical stability, and their applications for liver cancer biomarker detection. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7436-7446.	2.7	8
6	Spreading Films of Anthracene-Containing Gelator Molecules at the Air/Water Interface: Nanorod and Circularly Polarized Luminescence. <i>Langmuir</i> , 2019, 35, 2772-2779.	1.6	11
7	Sub-10 nm Ag Nanoparticles/Graphene Oxide: Controllable Synthesis, Size-Dependent and Extremely Ultrahigh Catalytic Activity. <i>Small</i> , 2019, 15, e1901701.	5.2	22
8	Multifunctional BiF <sub>3</sub> :Ln <sup>3+</sup> (Ln = Ho, Er, Tm)/Yb <sup>3+</sup> nanoparticles: an investigation on the emission color tuning, thermosensitivity, and bioimaging. <i>RSC Advances</i> , 2019, 9, 10889-10896.	1.7	17
9	Investigation of the kinetics and mechanism of Z-scheme Ag <sub>3</sub> PO <sub>4</sub> /WO <sub>3</sub> p-n junction photocatalysts with enhanced removal efficiency for RhB. <i>New Journal of Chemistry</i> , 2019, 43, 17104-17115.	1.4	30
10	Platinized spherical supramolecular nanoassemblies of a porphyrin: facile synthesis and excellent catalytic recyclability. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8488-8497.	1.3	10
11	Enhanced dual-wavelength sensitive red upconversion luminescence in Bi <sub>2</sub> O <sub>3</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> phosphors via optical-inert ions doping. <i>Dyes and Pigments</i> , 2018, 154, 242-251.	2.0	21
12	Enhanced dual-wavelength sensitive upconversion luminescence of BiPO <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> phosphors by Sc <sup>3+</sup> doping. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 229, 20-26.	1.7	21
13	Highly efficient visible-light-driven plasmonic photocatalysts based on graphene oxide mediated hybridization of graphite and Ag/AgBr. <i>RSC Advances</i> , 2017, 7, 9948-9957.	1.7	4
14	Shape-Controlled Metal-Free Catalysts: Facet-Sensitive Catalytic Activity Induced by the Arrangement Pattern of Noncovalent Supramolecular Chains. <i>ACS Nano</i> , 2017, 11, 4866-4876.	7.3	31
15	Investigation of green emission of ScVO <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> sub-microcrystals with different morphologies. <i>Journal of Alloys and Compounds</i> , 2017, 715, 37-42.	2.8	7
16	A novel $\pi$ -tunnel-like-cyclopalladated arylimine catalyst immobilized on graphene oxide nano-sheet. <i>Nanoscale</i> , 2017, 9, 781-791.	2.8	44
17	Sheet-like and truncated-dodecahedron-like AgI structures via a surfactant-assisted protocol and their morphology-dependent photocatalytic performance. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 837-845.	1.3	14
18	Facile Fabrication of Ordered Component-Tunable Heterobimetallic Self-Assembly Nanosheet for Catalyzing $\pi$ -Click-Reaction. <i>ACS Omega</i> , 2017, 2, 5415-5433.	1.6	12

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19	Sheetlike gold nanostructures/graphene oxide composites via a one-pot green fabrication protocol and their interesting two-stage catalytic behaviors. <i>RSC Advances</i> , 2017, 7, 51838-51846.	1.7	46
20	Effects of optical-inert ions on upconversion luminescence and temperature sensing properties of ScVO <sub>4</sub> :10%Yb <sup>3+</sup> /2%Er <sup>3+</sup> nano/micro-particles. <i>RSC Advances</i> , 2017, 7, 51233-51244.	1.7	15
21	Interfacial organization of achiral porphyrins via unidirectional compression: a general method for chiroptical porphyrin assemblies of selected chirality. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14023-14029.	1.3	8
22	Organic Light-Emitting Transistors: Materials, Device Configurations, and Operations. <i>Small</i> , 2016, 12, 1252-1294.	5.2	171
23	Organic Light-Emitting Transistors: Organic Light-Emitting Transistors: Materials, Device Configurations, and Operations (Small 10/2016). <i>Small</i> , 2016, 12, 1392-1392.	5.2	5
24	A simple, recyclable, and self-assembled palladium( <i>η</i> -alkyl Schiff base complex for Suzuki coupling reaction: chain length dependence and heterogeneous catalysis. <i>RSC Advances</i> , 2016, 6, 84815-84824.	1.7	19
25	Fluorographene nanosheets: a new carbon-based matrix for the detection of small molecules by MALDI-TOF MS. <i>RSC Advances</i> , 2016, 6, 99714-99719.	1.7	21
26	Cube-like Ag/AgCl fabricated via a photoirradiation method and its substantially boosted plasmonic photocatalytic reactivity by an oxidation-chloridization treatment. <i>RSC Advances</i> , 2016, 6, 47062-47071.	1.7	6
27	Porphyrin Supramolecular 1D Structures via Surfactant-Assisted Self-Assembly. <i>Advanced Materials</i> , 2015, 27, 5379-5387.	11.1	106
28	Spherical and Sheetlike Ag/AgCl Nanostructures: Interesting Photocatalysts with Unusual Facet-Dependent yet Substrate-Sensitive Reactivity. <i>Langmuir</i> , 2015, 31, 602-610.	1.6	33
29	An electrochemically polymerized and assembled cyclopalladated bi-thiophene imine for catalyzing coupling reactions: a modern strategy to enhance catalytic activity. <i>RSC Advances</i> , 2015, 5, 16654-16663.	1.7	13
30	Visible-light-driven Ag/AgCl plasmonic photocatalysts via a surfactant-assisted protocol: enhanced catalytic performance by morphology evolution from near-spherical to 1D structures. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25182-25190.	1.3	12
31	A general protocol for $\pi$ -conjugated molecule-based micro/nanospheres: artificial supramolecular antenna in terms of heterogeneous photocatalysis. <i>RSC Advances</i> , 2015, 5, 78427-78435.	1.7	9
32	Tailored Porphyrin Assembly at the Oil-Aqueous Interface Based on the Receding of Three-Phase Contact Line of Droplet Template. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400365.	1.9	17
33	Branched Au Nanostructures Enriched with a Uniform Facet: Facile Synthesis and Catalytic Performances. <i>Scientific Reports</i> , 2015, 4, 5259.	1.6	34
34	Pristine graphdiyne-hybridized photocatalysts using graphene oxide as a dual-functional coupling reagent. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1217-1225.	1.3	62
35	$\pi$ -Conjugated Molecules Crosslinked Graphene-Based Ultrathin Films and Their Tunable Performances in Organic Nanoelectronics. <i>Advanced Functional Materials</i> , 2014, 24, 543-554.	7.8	26
36	Tuning the light response of organic field-effect transistors using fluorographene nanosheets as an interface modification layer. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6484.	2.7	22

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37	Porphyrin Nanoassemblies via Surfactant-Assisted Assembly and Single Nanofiber Nanoelectronic Sensors for High-Performance H <sub>2</sub> O Vapor Sensing. <i>ACS Nano</i> , 2014, 8, 3402-3411.	7.3	82
38	High-Performance Visible-Light-Driven Plasmonic Photocatalysts Ag/AgCl with Controlled Size and Shape Using Graphene Oxide as Capping Agent and Catalyst Promoter. <i>Langmuir</i> , 2013, 29, 9259-9268.	1.6	95
39	Visible-light-driven Ag/Ag <sub>3</sub> PO <sub>4</sub> -based plasmonic photocatalysts: Enhanced photocatalytic performance by hybridization with graphene oxide. <i>Science Bulletin</i> , 2013, 58, 84-91.	1.7	44
40	One-Dimensional Porphyrin Nanoassemblies Assisted via Graphene Oxide: Sheetlike Functional Surfactant and Enhanced Photocatalytic Behaviors. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 5336-5345.	4.0	103
41	Highly Stable Graphene-Based Multilayer Films Immobilized via Covalent Bonds and Their Applications in Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2013, 23, 2422-2435.	7.8	56
42	Template-Free Synthesis of Cube-like Ag/AgCl Nanostructures via a Direct-Precipitation Protocol: Highly Efficient Sunlight-Driven Plasmonic Photocatalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6386-6392.	4.0	111
43	Morphology-dependent supramolecular photocatalytic performance of porphyrin nanoassemblies: from molecule to artificial supramolecular nanoantenna. <i>Journal of Materials Chemistry</i> , 2012, 22, 20243.	6.7	98
44	Ag/AgBr/Graphene Oxide Nanocomposite Synthesized via Oil/Water and Water/Oil Microemulsions: A Comparison of Sunlight Energized Plasmonic Photocatalytic Activity. <i>Langmuir</i> , 2012, 28, 3385-3390.	1.6	200
45	Porphyrin Assemblies via a Surfactant-Assisted Method: From Nanospheres to Nanofibers with Tunable Length. <i>Langmuir</i> , 2012, 28, 15482-15490.	1.6	54
46	Highly efficient visible-light-driven plasmonic photocatalysts based on graphene oxide-hybridized one-dimensional Ag/AgCl heteroarchitectures. <i>Journal of Materials Chemistry</i> , 2012, 22, 21487.	6.7	98
47	Graphene Oxide Enwrapped Ag/AgX (X = Br, Cl) Nanocomposite as a Highly Efficient Visible-Light Plasmonic Photocatalyst. <i>ACS Nano</i> , 2011, 5, 4529-4536.	7.3	672
48	Sunlight-driven plasmonic photocatalysts based on Ag/AgCl nanostructures synthesized via an oil-in-water medium: enhanced catalytic performance by morphology selection. <i>Journal of Materials Chemistry</i> , 2011, 21, 16413.	6.7	136
49	Shuttle-like supramolecular nanostructures formed by self-assembly of a porphyrin via an oil/water system. <i>Nanoscale Research Letters</i> , 2011, 6, 529.	3.1	12
50	Left or Right? The Direction of Compression-Generated Vortex-Like Flow Selects the Macroscopic Chirality of Interfacial Molecular Assemblies. <i>Chemistry - A European Journal</i> , 2011, 17, 12108-12114.	1.7	46
51	Electric Current Induced Reduction of Graphene Oxide and Its Application as Gap Electrodes in Organic Photoswitching Devices. <i>Advanced Materials</i> , 2010, 22, 5008-5012.	11.1	88
52	Evolution of Various Porphyrin Nanostructures via an Oil/Aqueous Medium: Controlled Self-Assembly, Further Organization, and Supramolecular Chirality. <i>Journal of the American Chemical Society</i> , 2010, 132, 9644-9652.	6.6	162
53	Acidification and Assembly of Porphyrin at an Interface: Counterion Matching, Selectivity, and Supramolecular Chirality. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2036-2043.	4.0	40
54	Controllable Fabrication of Supramolecular Nanocoils and Nanoribbons and Their Morphology-Dependent Photoswitching. <i>Journal of the American Chemical Society</i> , 2009, 131, 2756-2757.	6.6	78

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55	A General Method for Constructing Optically Active Supramolecular Assemblies from Intrinsically Achiral Water-insoluble Free-Base Porphyrins. <i>Chemistry - A European Journal</i> , 2008, 14, 1793-1803.	1.7	75
56	Nanofibers and Nanospirals Fabricated through the Interfacial Organization of a Partially Fluorinated Compound. <i>Langmuir</i> , 2007, 23, 11100-11106.	1.6	16
57	Chirality Amplification of Porphyrin Assemblies Exclusively Constructed from Achiral Porphyrin Derivatives. <i>ChemPhysChem</i> , 2006, 7, 2419-2423.	1.0	40
58	Interfacial Langmuir-Blodgett Assembly of Straight and Parallel Aligned Nanoribbons. <i>ChemPhysChem</i> , 2005, 6, 1108-1113.	1.0	16
59	Theoretical study on cooperative and extra-additive behavior of hydrogen-bonded clusters. <i>Science in China Series B: Chemistry</i> , 2001, 44, 381-386.	0.8	1