

# Dong-Jin Qian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1461563/publications.pdf>

Version: 2024-02-01

102  
papers

2,159  
citations

236925

25  
h-index

276875

41  
g-index

102  
all docs

102  
docs citations

102  
times ranked

2622  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of water-dispersible porous g-C <sub>3</sub> N <sub>4</sub> with improved photocatalytic activity by chemical oxidation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3309-3315.	2.8	260
2	Multiporphyrin Array from Interfacial Metal-Mediated Assembly and Its Langmuir-Blodgett Films. <i>Langmuir</i> , 2000, 16, 9615-9619.	3.5	90
3	Templateless Infrared Heating Process for Fabricating Carbon Nitride Nanorods with Efficient Photocatalytic H <sub>2</sub> Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 25162-25170.	8.0	90
4	Reducing Properties of Polymers in the Synthesis of Noble Metal Nanoparticles. <i>Polymer Reviews</i> , 2013, 53, 240-276.	10.9	69
5	New complete assignment of X-ray powder diffraction patterns in graphitic carbon nitride using discrete Fourier transform and direct experimental evidence. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26072-26084.	2.8	69
6	Redox Induced Fluorescence On/Off Switching Based on Nitrogen Enriched Graphene Quantum Dots for Formaldehyde Detection and Bioimaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1708-1716.	6.7	66
7	In situ synthesis of polymetallic Co-doped g-C <sub>3</sub> N <sub>4</sub> photocatalyst with increased defect sites and superior charge carrier properties. <i>Carbon</i> , 2017, 117, 1-11.	10.3	65
8	Metal-mediated coordination polymer nanotubes of 5,10,15,20-tetrapyridylporphine and tris(4-pyridyl)-1,3,5-triazine at the water-chloroform interface. <i>Chemical Communications</i> , 2006, , 3175-3177.	4.1	58
9	Facile, gram-scale and eco-friendly synthesis of multi-color graphene quantum dots by thermal-driven advanced oxidation process. <i>Chemical Engineering Journal</i> , 2020, 388, 124285.	12.7	57
10	Palladium-Mediated Stepwise Assembly of Three-Dimensional Organized Multiporphyrin Arrays Directly on Solid Substrates. <i>Langmuir</i> , 2002, 18, 10237-10242.	3.5	55
11	Spectroscopic studies of the multiporphyrin arrays at the air-water interface and in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 2001, 397, 266-275.	1.8	44
12	Controllable Growth of Well-Defined Regular Multiporphyrin Array Nanocrystals at the Water-Chloroform Interface. <i>Langmuir</i> , 2005, 21, 5079-5084.	3.5	44
13	Monolayers of Europium Complexes with Different Long Chains and $\beta^2$ -Diketonate Ligands and Their Emission Properties in Langmuir-Blodgett Films. <i>Langmuir</i> , 1997, 13, 5925-5932.	3.5	38
14	Visible-Light Driven TiO <sub>2</sub> Photocatalyst Coated with Graphene Quantum Dots of Tunable Nitrogen Doping. <i>Molecules</i> , 2019, 24, 344.	3.8	38
15	Synthesis, Study, and Discrete Dipole Approximation Simulation of Ag-Au Bimetallic Nanostructures. <i>Nanoscale Research Letters</i> , 2016, 11, 209.	5.7	35
16	Emission behavior of lanthanoid complexes in monolayer assemblies. <i>Langmuir</i> , 1995, 11, 4491-4494.	3.5	34
17	Langmuir-Blodgett Films of Pyridyldithio-Modified Multiwalled Carbon Nanotubes as a Support to Immobilize Hydrogenase. <i>Langmuir</i> , 2010, 26, 10259-10265.	3.5	34
18	A hydrogen biosensor made of clay, poly(butylviologen), and hydrogenase sandwiched on a glass carbon electrode. <i>Biosensors and Bioelectronics</i> , 2002, 17, 789-796.	10.1	33

#	ARTICLE	IF	CITATIONS
19	Single Pd(0) Atom Encapsulated in Multiporphyrin Arrays as a Highly Efficient Heterogeneous Catalyst. <i>Journal of Physical Chemistry B</i> , 2003, 107, 3333-3335.	2.6	33
20	Facet-Dependent Interfacial Charge Transfer in TiO <sub>2</sub> /Nitrogen-Doped Graphene Quantum Dots Heterojunctions for Visible-Light Driven Photocatalysis. <i>Catalysts</i> , 2019, 9, 345.	3.5	33
21	Direct electron transfer to hydrogenase for catalytic hydrogen production using a single-walled carbon nanotube forest. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 7523-7529.	7.1	31
22	Layer-by-layer assembly of metal-mediated multiporphyrin arrays. <i>Chemical Communications</i> , 2001, , 2312-2313.	4.1	30
23	Monolayers of a series of viologen derivatives and the electrochemical properties in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 2000, 374, 125-133.	1.8	27
24	Electrochemical properties of carbon nanotubes-hydrogenase conjugates Langmuir-Blodgett films. <i>Electrochimica Acta</i> , 2007, 52, 3222-3228.	5.2	27
25	Influences of hydrophilic and hydrophobic substituents on the organization of supramolecular assemblies of porphyrin derivatives formed at the air/water interface. <i>Materials Science and Engineering C</i> , 2003, 23, 585-592.	7.3	26
26	Spectroscopic study on the 4-(4-pyridyl)-2,2,6,6-tetrapyridine and its metal complexes. <i>Journal of Luminescence</i> , 2008, 128, 469-475.	3.1	24
27	Interfacial Self-Assembly of Metal-Mediated Viologen-Like Coordination Polyelectrolyte Hybrids of the Bisteryridine Ligand and Their Optical, Electrochemical, and Electrochromic Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 1250-1258.	8.0	24
28	Simulated optical properties of noble metallic nanopolyhedra with different shapes and structures. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	23
29	Layer-by-layer assembly of single-walled carbon nanotube-poly(viologen) derivative multilayers and their electrochemical properties. <i>Carbon</i> , 2006, 44, 2115-2121.	10.3	22
30	Electrochemical hydrogen evolution by use of a glass carbon electrode sandwiched with clay, poly(butylviologen) and hydrogenase. <i>Materials Letters</i> , 2003, 57, 1130-1134.	2.6	21
31	Morphology-controllable synthesis of ZnO nanostructures by a solvothermal process in ethanol solution. <i>Crystal Research and Technology</i> , 2013, 48, 947-955.	1.3	21
32	Electrochemically Driven Generation of Manganese(IV,V)-oxo Multiporphyrin Arrays and Their Redox Properties with Manganese(III) Species in Langmuir-Blodgett Films. <i>Langmuir</i> , 2008, 24, 13490-13495.	3.5	20
33	Pd(II)-Mediated Triad Multilayers with Zinc Tetrapyrrolylporphyrin and Pyridine-Functionalized Nano-TiO <sub>2</sub> as Linkers: Assembly, Characterization, and Photocatalytic Properties. <i>Langmuir</i> , 2012, 28, 7711-7719.	3.5	20
34	Ratiometric fluorescence detection of anthrax biomarker based on terbium (III) functionalized graphitic carbon nitride nanosheets. <i>Talanta</i> , 2021, 230, 122311.	5.5	19
35	Fabrication of multiporphyrin@g-C <sub>3</sub> N <sub>4</sub> nanocomposites via Pd(II)-directed layer-by-layer assembly for enhanced visible-light photocatalytic activity. <i>Applied Surface Science</i> , 2019, 478, 1027-1036.	6.1	18
36	Coordination polymer nanocombs self-assembled at the water-chloroform interface. <i>New Journal of Chemistry</i> , 2007, 31, 1007-1012.	2.8	17

#	ARTICLE	IF	CITATIONS
37	Metal-mediated layer-by-layer assembly of zinc 5,10,15,20-tetrapyrridylporphine and pyridyl derivatives. <i>Materials Science and Engineering C</i> , 2007, 27, 639-645.	7.3	17
38	Supramolecular assemblies of Eu(TPyP)Pc at the air/water and air/Cd <sup>2+</sup> aqueous solution interfaces. <i>Materials Letters</i> , 2003, 57, 2156-2161.	2.6	16
39	Preparation and electrochemical properties of organic-inorganic hybrids with the use of alkylammonium or alkylviologen cations and polyoxometalate anions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 248, 85-91.	4.7	16
40	Terpyridine-Functionalized NanoSiO <sub>2</sub> Multi-Dentate Linkers: Preparation, Characterization and Luminescent Properties of Their Metal-Organic Hybrid Materials. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2234-2242.	3.1	16
41	Monolayers, Langmuir-Blodgett films of carbon nanotubes-cytochrome c conjugates and electrochemistry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 284-285, 485-489.	4.7	15
42	Layer-by-Layer Assembly and Characterization of Multilayers of a Manganese Porphyrin Linked Poly(4-vinylpyridinium) Derivative and Poly(styrenesulfonic acid-maleic) Acid. <i>Langmuir</i> , 2011, 27, 9880-9889.	3.5	15
43	Construction of Pd(II)-poly(4-vinylpyridine) multilayers on quartz substrate surface as heterogeneous catalyst for selective hydrogenation of aromatic conjugated alkenes. <i>Materials Chemistry and Physics</i> , 2011, 127, 310-315.	4.0	15
44	Isophthalic acid-functionalised multiwalled carbon nanotubes as an alternative nanolayer for the layer-by-layer assembly with poly(xylylviologen). <i>Synthetic Metals</i> , 2012, 162, 881-887.	3.9	15
45	Fabrication of europium complexes with 4-(4-methylphenyl)-2,2',6',2''-terpyridine and 4,4'-dionyl-2,2'-dipyridyl at the air-water interface and their emission properties in Langmuir-Blodgett films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 273, 29-34.	4.7	14
46	Copper(II)-Mediated Layer-by-Layer Assembly of Viologenthiole-Functionalized Carbon Nanotube Hybrid Multilayers: Preparation, Characterization, Morphology, and Electrochemical Properties. <i>Langmuir</i> , 2012, 28, 9496-9505.	3.5	14
47	Hyaluronan/Tween 80-assisted synthesis of silver nanoparticles for biological application. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	14
48	Fabrication, characterization, electrochemistry, and redox-induced electrochromism of viologen-functionalized silica core-shell nano-composites. <i>Electrochimica Acta</i> , 2017, 251, 562-572.	5.2	14
49	Quartz crystal microbalance and electrochemical studies on the electrode modified by layer-by-layer multilayers of viologen polyelectrolytes. <i>Electrochimica Acta</i> , 2004, 49, 1491-1498.	5.2	14
50	Palladium-directed self-assembly of multi-titanium(IV)-porphyrin arrays on the substrate surface as sensitive ultrathin films for hydrogen peroxide sensing, photocurrent generation, and photochromism of viologen. <i>Applied Surface Science</i> , 2018, 427, 1003-1010.	6.1	13
51	Fabrication of an Electrode-Viologen-Hydrogenase Heterogeneous System and the Electrochemical Hydrogen Evolution. <i>Applied Biochemistry and Biotechnology</i> , 2000, 84-86, 409-418.	2.9	12
52	Monolayers, Langmuir-Blodgett films of bimetallic coordination polymers of 4-(4-pyridyl)-2,2',6',2''-terpyridine. <i>Thin Solid Films</i> , 2008, 516, 2144-2150.	1.8	12
53	pH-Dependent shape changes of water-soluble CdS nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	12
54	Assembly and Characterization of Zinc Porphyrin-Hydrogenase (Poly)Viologen Triads on Substrate Surfaces. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1582-1588.	3.1	11

#	ARTICLE	IF	CITATIONS
55	Quartz crystal microbalance and electrochemical studies on the electrode modified by layer-by-layer multilayers of viologen polyelectrolytes. <i>Electrochimica Acta</i> , 2004, 49, 1491-1498.	5.2	10
56	Layer-by-layer assembly of poly(p-xylyleneviologen)â€“DNA multilayers and their electrochemical properties. <i>Materials Science and Engineering C</i> , 2009, 29, 925-929.	7.3	10
57	Electrochemical behaviors of nanoporous coordination polymer multilayers in hexacyanoferrate solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 366, 183-190.	4.7	10
58	Pd(II)-directed layer-by-layer assembly and characterization of zinc tetrapyrridylporphyrin-linked poly(4-vinylpyridine) multilayers on substrate surfaces. <i>Synthetic Metals</i> , 2012, 162, 1871-1878.	3.9	10
59	Fabrication of multi-pyridine functionalized carbon nanotubes as versatile coordination nano-linkers. <i>RSC Advances</i> , 2014, 4, 5678.	3.6	10
60	Fabrication of carbon nanotube-multiporphyrin array composites as light-sensitizer for photocurrent generation, photochromism of viologen and catalytic degradation of methyl orange. <i>New Journal of Chemistry</i> , 2018, 42, 17216-17226.	2.8	10
61	Interfacial self-assembly of carbon nitride-based nanocomposites with zinc terpyridyl coordination polymers for photocurrent generation and the photocatalytic degradation of organic dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 596, 124702.	4.7	10
62	Preparation, characterization and electrochemistry of viologen-functionalized carbon nanotubes in the casting films and layer-by-layer multilayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 953-960.	4.7	9
63	Fabrication, electrochemical and electrocatalytic properties of carbon nanotube@nano-SiO <sub>2</sub> BenV/phosphomolybdic acid polynary nanocomposite materials. <i>Applied Surface Science</i> , 2017, 408, 68-76.	6.1	9
64	Luminescent properties of newly synthesized thioxanthone-poly(pyridyl) derivatives and their metal-organic complexes. <i>Journal of Luminescence</i> , 2019, 212, 5-13.	3.1	9
65	Interfacial self-assembly of nanoZnO@multiporphyrin array hybrids as binary light-sensitizers for photocurrent generation and photocatalytic degradation of organic pollutants. <i>Applied Surface Science</i> , 2020, 521, 146465.	6.1	9
66	Multilayer assembly and characterization of zinc porphyrinâ€“carbon nanotubes-poly(viologen) derivative. <i>Thin Solid Films</i> , 2008, 516, 3244-3250.	1.8	8
67	Synthesis and luminescent properties of a silylated-terpyridine derivative and its metalated complexes in solutions and self-assembled monolayers. <i>Chinese Chemical Letters</i> , 2015, 26, 343-347.	9.0	8
68	Immobilization of hydrogenase on carbon nanotube polyelectrolytes as heterogeneous catalysts for electrocatalytic interconversion of protons and hydrogen. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	8
69	Interfacial Self-Assembly of Closely Packed Nanoparticle Arrays of Silica@Multiporphyrin Hybrids as Light-Sensitizers for Dye Degradation and Viologen Photochromism. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3035-3045.	3.3	8
70	Photophysical and electrochemical properties of newly synthesized thioxathoneâ€“viologen binary derivatives and their photo-/electrochromic displays in ionic liquids and polymer gels. <i>New Journal of Chemistry</i> , 2020, 44, 3654-3663.	2.8	8
71	Study on electrical conduction of viologen derivatives using scanning tunneling microscopy. <i>Thin Solid Films</i> , 2007, 515, 5163-5166.	1.8	7
72	One-step synthesis of silver nanoparticles at the airâ€“water interface using different methods. <i>Nanotechnology</i> , 2008, 19, 055603.	2.6	7

#	ARTICLE	IF	CITATIONS
73	Self-Assembly and Redox Properties of Viologen Derivatives on Au(111) Determined by Cyclic Voltammetry and Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1173-1177.	1.5	7
74	Metal-mediated Supramolecular Coordination Polyelectrolyte Films of Bisterpyridine Ligand at the Air-Water Interface. <i>Chemistry Letters</i> , 2008, 37, 444-445.	1.3	7
75	Interfacial Self-Assembly and Characterization of Chiral Coordination Polymer Multilayers with Bidentate Ligands of Hydroquinine Anthraquinone-1,4-diyl Diether as Linkers. <i>Langmuir</i> , 2013, 29, 6308-6316.	3.5	7
76	Exploitation of the synergistic effect between surface and bulk defects in ultra-small N-doped titanium suboxides for enhancing photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , 2018, 8, 5515-5525.	4.1	7
77	Large-Area Assembly of Metal-Organic Layered Ultrathin Films at the Liquid/Liquid Interface. <i>Langmuir</i> , 2021, 37, 4515-4522.	3.5	7
78	Synthesis and multilayer assembly of multiporphyrin arrays at the water-chloroform interface. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003, 07, 415-419.	0.8	6
79	Characterization and electrochemistry of interfacial self-assembled multi-manganese(III)-porphyrin arrays. <i>Thin Solid Films</i> , 2009, 517, 3760-3765.	1.8	6
80	Monolayers and Langmuir-Blodgett films of Fe <sup>2+</sup> -mediated polyelectrolyte with viologen derivatives as linkers at the air-water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 384, 561-569.	4.7	6
81	Bimetallic Pd(II)/Fe(II)-mediated self-assembly of three-dimensional hybrid multilayers with a terpyridine-contained poly(vinylpyridine) derivative as a linker on substrate surface. <i>RSC Advances</i> , 2012, 2, 241-249.	3.6	6
82	Morphology and electrochemical properties of amphiphilic viologen functionalized multiwalled carbon nanotube hybrids in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 2012, 520, 6994-7001.	1.8	6
83	Interfacial self-assembly, characterization, electrochemical, and photo-catalytic properties of porphyrin-ruthenium complex/polyoxometalate triad hybrid multilayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 509, 1-10.	4.7	6
84	Synthesis and photophysical properties of pyrene-functionalized nano-SiO <sub>2</sub> hybrids in solutions and doped-PMMA thin films. <i>Materials Chemistry and Physics</i> , 2017, 186, 179-187.	4.0	6
85	Interfacial self-assembly of bipyridyl-functionalized nanoSiO <sub>2</sub> -BPy@Ln(1 <sup>2</sup> -diketone) <sub>n</sub> composites and their luminescent properties. <i>Journal of Luminescence</i> , 2018, 203, 277-285.	3.1	6
86	Mixed monolayers of phospholipids with a viologen and the electrochemical properties in Langmuir-Blodgett films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 175, 93-98.	4.7	5
87	Silver(I)-directed growth of metal-organic complex nanocrystals with bidentate ligands of hydroquinine anthraquinone-1,4-diyl diethers as linkers at the water-chloroform interface. <i>Nanoscale Research Letters</i> , 2014, 9, 488.	5.7	5
88	Interfacial self-assembled thioxathone monolayers on the surfaces of silica nanoparticles as efficient heterogeneous photocatalysts for the selective oxidation of aromatic thioethers under air atmosphere. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125856.	4.7	5
89	Fabrication of hydrogenase-cationic electrolyte biohybrids at interfaces and their electrochemical properties in Langmuir-Blodgett films. <i>Materials Chemistry and Physics</i> , 2010, 122, 556-562.	4.0	4
90	Pd(II)-Directed Encapsulation of Hydrogenase within the Layer-by-Layer Multilayers of Carbon Nanotube Polyelectrolyte Used as a Heterogeneous Catalyst for Oxidation of Hydrogen. <i>Langmuir</i> , 2015, 31, 6546-6553.	3.5	4

#	ARTICLE	IF	CITATIONS
91	Visual Luminescent Probes Constructed by Eu <sup>3+</sup> Complex-Functionalized Silica Nanocomposites and Their Langmuir-Blodgett Films at Interfaces. <i>Langmuir</i> , 2020, 36, 14092-14103.	3.5	4
92	Fluorescent properties and probe features of newly synthesized acridine-terpyridyl bidentate ligand and its metalated complexes. <i>Journal of Luminescence</i> , 2022, 244, 118765.	3.1	4
93	Electrochemistry of Single-Walled Carbon Nanotubes-Viologen Composites on the Glass Carbon Electrodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 1441-1444.	0.9	3
94	Interfacial self-assembly of Zn(Fe)-bisterpyridine coordination polymers, their fluorescent and electrochemical properties in Langmuir-Blodgett films. <i>Synthetic Metals</i> , 2013, 167, 10-17.	3.9	3
95	Synthesis and optical properties of enantiomeric cinchonidine/cinchonine-terpyridine derivatives and their metal complexes. <i>Journal of Luminescence</i> , 2016, 169, 319-325.	3.1	2
96	Fabrication, electrochemical and catalytic properties of the nanocomposites composed of phosphomolybdic acid and viologen-functionalized multi-walled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	2
97	Electrochemical properties of hydrogenase on glass carbon electrodes modified with carbon nanotubes. <i>Nanobiotechnology</i> , 2006, 2, 135-141.	1.2	1
98	Palladium-mediated construction of chiral coordination polymers of binaphthyl-bis(amidopyridyl) ligands at the air-water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 341, 73-78.	4.7	1
99	Self-assembled monolayers of pyridylthio-functionalized carbon nanotubes used as a support to immobilize cytochrome c. <i>Nanoscale Research Letters</i> , 2013, 8, 63.	5.7	1
100	Interfacial self-assembly of manganese multiporphyrin arrays on multi-walled carbon nanotubes as heterogeneous catalysts for degradation of toxic naphthols in aqueous solution. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	1
101	Coordination-driven self-assembly of nanoZnO hybrids with tripodal zinc terpyridyl-viologen complex multilayers and their photochromic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127456.	4.7	1
102	CHARACTERISTICS OF CHARGE TRANSPORT AND ELECTRIC CONDUCTION IN VIOLOGEN SELF-ASSEMBLED MONOLAYERS. , 2010, , 175-191.		0