

Fu-De Feng

List of Publications by Year in descending order

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68
papers

3,314
citations

201674

27
h-index

144013

57
g-index

72
all docs

72
docs citations

72
times ranked

3763
citing authors

#	ARTICLE	IF	CITATIONS
1	Cationic Conjugated Polymers for Optical Detection of DNA Methylation, Lesions, and Single Nucleotide Polymorphisms. <i>Accounts of Chemical Research</i> , 2010, 43, 260-270.	15.6	264
2	Fluorescent Conjugated Polyelectrolytes for Biomacromolecule Detection. <i>Advanced Materials</i> , 2008, 20, 2959-2964.	21.0	201
3	A Reversible and Highly Selective Fluorescent Sensor for Mercury(II) Using Poly(thiophene)s that Contain Thymine Moieties. <i>Macromolecular Rapid Communications</i> , 2006, 27, 389-392.	3.9	192
4	Direct Visualization of Enzymatic Cleavage and Oxidative Damage by Hydroxyl Radicals of Single-Stranded DNA with a Cationic Polythiophene Derivative. <i>Journal of the American Chemical Society</i> , 2006, 128, 14972-14976.	13.7	186
5	Continuous Fluorometric Assays for Acetylcholinesterase Activity and Inhibition with Conjugated Polyelectrolytes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7882-7886.	13.8	151
6	GSH and H ₂ O ₂ Co-Activatable Mitochondria-Targeted Photodynamic Therapy under Normoxia and Hypoxia. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12122-12128.	13.8	143
7	Fluorescent Conjugated Polyelectrolyte as an Indicator for Convenient Detection of DNA Methylation. <i>Journal of the American Chemical Society</i> , 2008, 130, 11338-11343.	13.7	140
8	Cascade Reactions by Nitric Oxide and Hydrogen Radical for Anti-Hypoxia Photodynamic Therapy Using an Activatable Photosensitizer. <i>Journal of the American Chemical Society</i> , 2021, 143, 868-878.	13.7	136
9	It Takes More Than an Imine: The Role of the Central Atom on the Electron-Accepting Ability of Benzotriazole and Benzothiadiazole Oligomers. <i>Journal of the American Chemical Society</i> , 2012, 134, 2599-2612.	13.7	135
10	Quadruplex-to-Duplex Transition of G-Rich Oligonucleotides Probed by Cationic Water-Soluble Conjugated Polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2006, 128, 6764-6765.	13.7	120
11	Inhibition of AIM2 inflammasome-mediated pyroptosis by Andrographolide contributes to amelioration of radiation-induced lung inflammation and fibrosis. <i>Cell Death and Disease</i> , 2019, 10, 957.	6.3	110
12	Fluorescence Logic-Signal-Based Multiplex Detection of Nucleases with the Assembly of a Cationic Conjugated Polymer and Branched DNA. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5316-5321.	13.8	105
13	Water-soluble conjugated polymers for continuous and sensitive fluorescence assays for phosphatase and peptidase. <i>Journal of Materials Chemistry</i> , 2007, 17, 4147.	6.7	102
14	GSH and H ₂ O ₂ Co-Activatable Mitochondria-Targeted Photodynamic Therapy under Normoxia and Hypoxia. <i>Angewandte Chemie</i> , 2020, 132, 12220-12226.	2.0	99
15	Fluorescent conjugated polymer-based FRET technique for detection of DNA methylation of cancer cells. <i>Nature Protocols</i> , 2010, 5, 1255-1264.	12.0	91
16	Fluorescence ratiometric assays of hydrogen peroxide and glucose in serum using conjugated polyelectrolytes. <i>Journal of Materials Chemistry</i> , 2007, 17, 3702.	6.7	72
17	Water-Soluble Conjugated Polymers for Fluorescent-Enzyme Assays. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1405-1421.	3.9	57
18	Tunable Thioesters as Reduction-Responsive Functionality for Traceless Reversible Protein PEGylation. <i>Journal of the American Chemical Society</i> , 2013, 135, 10938-10941.	13.7	55

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19	Spiropyran in nanoassemblies as a photosensitizer for photoswitchable ROS generation in living cells. <i>Chemical Science</i> , 2018, 9, 5816-5821.	7.4	49
20	Protein Nanocages for Delivery and Release of Luminescent Ruthenium(II) Polypyridyl Complexes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22756-22761.	8.0	46
21	Selective and Homogeneous Fluorescent DNA Detection by Target-Induced Strand Displacement Using Cationic Conjugated Polyelectrolytes. <i>Analytical Chemistry</i> , 2008, 80, 2239-2243.	6.5	43
22	Intercalation Interactions between dsDNA and Acridine Studied by Single Molecule Force Spectroscopy. <i>Langmuir</i> , 2007, 23, 9140-9142.	3.5	38
23	Synthesis of a New Water-Soluble Oligo(phenylenevinylene) Containing a Tyrosine Moiety for Tyrosinase Activity Detection. <i>Organic Letters</i> , 2008, 10, 5369-5372.	4.6	36
24	Cationic Conjugated Polyelectrolyte/Molecular Beacon Complex for Sensitive, Sequence-Specific, Real-Time DNA Detection. <i>Langmuir</i> , 2008, 24, 12138-12141.	3.5	35
25	Gadolinium(III) chelated conjugated polymer as a potential MRI contrast agent. <i>Polymer</i> , 2010, 51, 1336-1340.	3.8	30
26	Enhanced Fluorescence Properties of Poly(phenylene ethynylene)-Conjugated Polyelectrolytes Designed to Avoid Aggregation. <i>ACS Macro Letters</i> , 2014, 3, 405-409.	4.8	27
27	Precisely Tunable Engineering of Sub-30 nm Monodisperse Oligonucleotide Nanoparticles. <i>Journal of the American Chemical Society</i> , 2014, 136, 234-240.	13.7	25
28	Temozolomide-Doxorubicin Conjugate as a Double Intercalating Agent and Delivery by Apoferritin for Glioblastoma Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34599-34609.	8.0	25
29	Analyte-Induced Aggregation of a Water-Soluble Conjugated Polymer for Fluorescent Assay of Oxalic Acid. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1905-1911.	3.9	23
30	A water soluble donor-acceptor-donor conjugated oligomer as a photosensitizer for mitochondria-targeted photodynamic therapy. <i>Chemical Communications</i> , 2018, 54, 9194-9197.	4.1	23
31	Apoferritin as a Carrier of Cu(II) Diethyldithiocarbamate and Biomedical Application for Glutathione-Responsive Combination Chemotherapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 654-663.	4.6	23
32	Conjugated Polyelectrolyte Dendrimers: Aggregation, Photophysics, and Amplified Quenching. <i>Langmuir</i> , 2012, 28, 16679-16691.	3.5	22
33	Remarkable Photophysics and Amplified Quenching of Conjugated Polyelectrolyte Oligomers. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1410-1414.	4.6	22
34	Targeted Gene Delivery to Macrophages by Biodegradable Star-Shaped Polymers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3719-3724.	8.0	22
35	Facile crosslinking of polythiophenes by polyethylenimine via ester aminolysis for selective Cu(II) detection in water. <i>Biosensors and Bioelectronics</i> , 2018, 109, 255-262.	10.1	22
36	Mitochondria Targeting Fluorescent Probes Based on through Bond-Energy Transfer for Mutually Imaging Signaling Molecules H ₂ S and H ₂ O ₂ . <i>Chemistry - A European Journal</i> , 2019, 25, 9164-9169.	3.3	21

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37	Ion-Induced Aggregation of Conjugated Polyelectrolytes Studied by Fluorescence Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 16314-16324.	2.6	19
38	Protein Nanocage-Based Photo-Controlled Nitric Oxide Releasing Platform. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19519-19524.	8.0	19
39	Photoactivated In Situ Generation of Near Infrared Cyanines for Spatiotemporally Controlled Fluorescence Imaging in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16889-16893.	13.8	19
40	Synthesis of Structurally Defined Cationic Polythiophenes for DNA Binding and Gene Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4519-4529.	8.0	17
41	Enhanced Copper-Temozolomide Interactions by Protein for Chemotherapy against Glioblastoma Multiforme. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41935-41945.	8.0	16
42	Cationic Polythiophenes as Gene Delivery Enhancer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16735-16740.	8.0	15
43	Iron sulfur clusters in protein nanocages for photocatalytic hydrogen generation in acidic aqueous solutions. <i>Chemical Science</i> , 2019, 10, 2179-2185.	7.4	15
44	H ₂ S Activated Drug Release from Protein Cages. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33571-33575.	8.0	14
45	Fluorescence-Amplifying Assay for Irradiated DNA Lesions Using Water-Soluble Conjugated Polymers. <i>Macromolecular Rapid Communications</i> , 2009, 30, 147-151.	3.9	13
46	Efficient synthesis of 5-hydroxymethyl-, 5-formyl-, and 5-carboxyl-2-deoxycytidine and their triphosphates. <i>RSC Advances</i> , 2014, 4, 36036-36039.	3.6	13
47	Optical properties of phosphonium-, quaternary ammonium- and imidazolium- substituted regioregular polythiophenes and application for imaging live cells. <i>Dyes and Pigments</i> , 2019, 170, 107581.	3.7	13
48	Helical Conjugated Polyelectrolyte Aggregation Induced by Biotin-Avidin Interaction. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1711-1715.	4.6	12
49	Light-Controlled in Vitro Gene Delivery Using Polymer-Tethered Spiropyran as a Photoswitchable Photosensitizer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15222-15232.	8.0	12
50	Folate-Modified Photoelectric Responsive Polymer Microarray as Bionic Artificial Retina to Restore Visual Function. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28759-28767.	8.0	12
51	Remarkable Amplification of Polyethylenimine-Mediated Gene Delivery Using Cationic Poly(phenylene) Tj ETQq1 1 0,784314 rgBT /Over	8.0	11
52	Conjugated polyelectrolytes for label-free DNA microarrays. <i>Trends in Biotechnology</i> , 2008, 26, 57-59.	9.3	9
53	Water-Soluble Conjugated Polyelectrolyte-Based Fluorescence Enzyme Coupling Protocol for Continuous and Sensitive β -Galactosidase Detection. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 1188-1193.	2.2	9
54	An <i>S</i> -alkyl thiocarbamate-based biosensor for highly sensitive and selective detection of hypochlorous acid. <i>Analyst, The</i> , 2018, 143, 4251-4255.	3.5	9

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55	Aggregation-Enhanced Two-Photon Absorption of Anionic Conjugated Polyelectrolytes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8292-8296.	4.6	8
56	Visible Light and Glutathione Dually Responsive Delivery of a Polymer-Conjugated Temozolomide Intermediate for Glioblastoma Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55851-55861.	8.0	7
57	Photoactivated In Situ Generation of Near Infrared Cyanines for Spatiotemporally Controlled Fluorescence Imaging in Living Cells. <i>Angewandte Chemie</i> , 2021, 133, 17026-17030.	2.0	6
58	Biomimetic Polymer-Templated Copper Nanoparticles Stabilize a Temozolomide Intermediate for Chemotherapy against Glioblastoma Multiforme. <i>ACS Applied Bio Materials</i> , 2021, 4, 8004-8012.	4.6	6
59	“Light Switch” Effect Upon Binding of Ru-dppz to Water-Soluble Conjugated Polyelectrolyte Dendrimers. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1707-1710.	4.6	5
60	Diiron Dithiolate Complex Induced Helical Structure of Histone and Application in Photochemical Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19691-19699.	8.0	4
61	Self-Assembly of Albumin and [FeFe]-Hydrogenase Mimics for Photocatalytic Hydrogen Evolution. <i>ACS Applied Bio Materials</i> , 2020, 3, 2482-2488.	4.6	4
62	Synthesis of a sulfonated methylene blue-backboned polymer for biodetections. <i>Dyes and Pigments</i> , 2022, 203, 110360.	3.7	4
63	A photosynthesis-inspired supramolecular system: caging photosensitizer and photocatalyst in apoferritin. <i>Photosynthesis Research</i> , 2019, 142, 169-180.	2.9	3
64	One pot synthesis and self-assembly of methylene blue-backboned polymers. <i>Chemical Communications</i> , 2021, 57, 12313-12316.	4.1	3
65	Precise engineering of apoferritin through site-specific host-guest binding. <i>Chemical Communications</i> , 2020, 56, 12897-12900.	4.1	2
66	Facile Synthesis of a Carnosine-Dependent Cationic Polymer via Free Radical Polymerization and Application in Gene Delivery. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900049.	2.2	1
67	Macromol. Chem. Phys. 15/2009. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, .	2.2	0
68	Noncovalent Engineering of Apoferritin with a PEGylated [FeFe] Hydrogenase Mimic for In Situ Polymerization. <i>ACS Applied Bio Materials</i> , 2022, 5, 1756-1765.	4.6	0