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A photostable AIE luminogen for specific mitochondrial imaging and tracking

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#	Paper	IF	Citations
660	Long-term two-photon neuroimaging with a photostable AIE luminogen. <b>2015</b> , 6, 1477		
659	Long-term two-photon neuroimaging with a photostable AIE luminogen. <b>2015</b> , 6, 1477		
658	Aggregation-Induced Emission: A Trailblazing Journey to the Field of Biomedicine.		
657	A tetraphenylethene-substituted pyridinium salt with multiple functionalities: synthesis, stimuli-responsive emission, optical waveguide and specific mitochondrion imaging. <b>2013</b> , 1, 4640		167
656	A tetraphenylethene-based chiral polymer: an AIE luminogen with high and tunable CPL dissymmetry factor. <b>2013</b> , 1, 4713		65
655	An aggregation-induced emission based Turn-on Fluorescent chemodosimeter for the selective detection of ascorbate ions. <b>2013</b> , 3, 16981		21
654	An AIEE polyelectrolyte as a light-up fluorescent probe for heparin sensing in full detection range. <b>2013</b> , 56, 1239-1246		11
653	A tetraphenylethene-decorated BODIPY monomer/dimer with intense fluorescence in various matrices. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 3755	3.6	40
652	A bioprobe based on aggregation induced emission (AIE) for cell membrane tracking. <i>Chemical Communications</i> , <b>2013</b> , 49, 11335-7	5.8	103
651	Aggregation-induced emission enhancement in alkoxy-bridged binuclear rhenium(II) complexes: application as sensor for explosives and interaction with microheterogeneous media. <b>2013</b> , 117, 14358-66		50
650	Mitochondria-specific phosphorescent imaging and tracking in living cells with an AIE-active iridium(III) complex. <i>Chemical Communications</i> , <b>2013</b> , 49, 11095-7	5.8	72
649	A solution processable fluorene-fluorenone oligomer with aggregation induced emission enhancement. <i>Chemical Communications</i> , <b>2013</b> , 49, 10742-4	5.8	35
648	A TPE-oxazoline molecular switch with tunable multi-emission in both solution and solid state. <b>2013</b> , 3, 16986		45
647	DMF-induced emission of an aryl-substituted pyrrole derivative: a solid thermo-responsive material to detect temperature in a specific range. <b>2013</b> , 1, 7534		39
646	Facile fabrication and cell imaging applications of aggregation-induced emission dye-based fluorescent organic nanoparticles. <b>2013</b> , 4, 4317		110
645	Water-soluble tetraphenylethene derivatives as fluorescent "light-up" probes for nucleic acid detection and their applications in cell imaging. <b>2013</b> , 8, 1806-12		59
644	Control of aggregation-induced emission by DNA hybridization. <i>Chemical Communications</i> , <b>2013</b> , 49, 5835-7	5.8	57

643	Coumarin- and rhodamine-fused deep red fluorescent dyes: synthesis, photophysical properties, and bioimaging in vitro. <b>2013</b> , 78, 6121-30		99
642	Thiol-reactive molecule with dual-emission-enhancement property for specific prestaining of cysteine containing proteins in SDS-PAGE. <b>2013</b> , 5, 4613-6		24
641	Tetraphenylethene end-capped polyethylenimine fluorescent nanoparticles for cell imaging. <b>2014</b> , 32, 1479-1488		11
640	Polylysine crosslinked AIE dye based fluorescent organic nanoparticles for biological imaging applications. <b>2014</b> , 14, 1260-7		41
639	Anion-Coordination-Induced Turn-On Fluorescence of an Oligourea-Functionalized Tetraphenylethene in a Wide Concentration Range. <b>2014</b> , 126, 6750-6754		28
638	Mitochondria-Targeted Cancer Therapy Using a Light-Up Probe with Aggregation-Induced-Emission Characteristics. <b>2014</b> , 126, 14449-14453		39
637	Biocompatible flavone-based fluorogenic probes for quick wash-free mitochondrial imaging in living cells. <b>2014</b> , 6, 21638-44		36
636	Water-Soluble Triarylboron Compound for ATP Imaging In Vivo Using Analyte-Induced Finite Aggregation. <b>2014</b> , 126, 7943-7947		22
635	Pyrene Schiff base: photophysics, aggregation induced emission, and antimicrobial properties. <b>2014</b> , 118, 13573-81		90
634	Porous polyurea network showing aggregation induced white light emission, applications as biosensor and scaffold for drug delivery. <b>2014</b> , 6, 22569-76		44
633	Multi-color cell imaging under identical excitation conditions with salicylideneaniline analogue-based fluorescent nanoparticles. <b>2014</b> , 4, 62021-62029		17
632	Phosphorescent iridium(III) complexes as multicolor probes for specific mitochondrial imaging and tracking. <b>2014</b> , 35, 2-13		104
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630	Fabrication of aggregation induced emission dye-based fluorescent organic nanoparticles via emulsion polymerization and their cell imaging applications. <b>2014</b> , 5, 399-404		217
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627	Fluorescence Study of Chiral $\beta$ -Ketoiminate-Based Newly Synthesized Boron Hybrid Polymers. <b>2014</b> , 215, 358-364		43
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622	Insights into the AIEE of 1,8-naphthalimides (NPIs): inverse effects of intermolecular interactions in solution and aggregates. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 8012-23	4.8	56
621	An Aggregation-Induced Emission Luminogen with Efficient Luminescent Mechanochromism and Optical Waveguiding Properties. <b>2014</b> , 3, 118-121		21
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619	Light emission in water-containing cocrystals: the influence of water molecules on the fluorescence properties of a Schiff-base molecule. <b>2014</b> , 9, 223-8		2
618	Fabrication of water-dispersible and biocompatible red fluorescent organic nanoparticles via PEGylation of aggregate induced emission enhancement dye and their cell imaging applications. <b>2014</b> , 113, 435-41		49
617	Ratiometric fluorescence probe for monitoring hydroxyl radical in live cells based on gold nanoclusters. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1829-36	7.8	177
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612	MitoBlue: a nontoxic and photostable blue-emitting dye that selectively labels functional mitochondria. <b>2014</b> , 9, 2742-7		7
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608	Aggregation induced emission-based fluorescent nanoparticles: fabrication methodologies and biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 4398-4414	7.3	293

607	A highly selective AIE fluorogen for lipid droplet imaging in live cells and green algae. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 2013-2019	7.3	86
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605	A fluorescent light-up probe with AIE characteristics for specific mitochondrial imaging to identify differentiating brown adipose cells. <i>Chemical Communications</i> , <b>2014</b> , 50, 8312-5	5.8	94
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407	Simultaneously Inducing and Tracking Cancer Cell Metabolism Repression by Mitochondria-Immobilized Rhenium(I) Complex. <b>2017</b> , 9, 13900-13912		62
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344	A highly sensitive "turn-on" fluorescent probe with an aggregation-induced emission characteristic for quantitative detection of IgG. <b>2017</b> , 92, 536-541		25
343	Targeting cancer cell metabolism with mitochondria-immobilized phosphorescent cyclometalated iridium(III) complexes. <i>Chemical Science</i> , <b>2017</b> , 8, 631-640	9.4	126
342	Bulky 4,6-disubstituted tetraphenylethene-naphthalimide dyad: synthesis, copolymerization, stimuli-responsive fluorescence and cellular imaging. <b>2017</b> , 196, 439-454		12
341	Apoptosis induced by NaYF <sub>4</sub> :Eu <sup>3+</sup> nanoparticles in liver cells via mitochondria damage dependent pathway. <b>2017</b> , 60, 122-129		9
340	An Easily Accessible Ionic Aggregation-Induced Emission Luminogen with Hydrogen-Bonding-Switchable Emission and Wash-Free Imaging Ability. <b>2018</b> , 57, 5011-5015		59
339	Bipyridine-based aggregation-induced phosphorescent emission (AIPPE)-active gold(I) complex with reversible phosphorescent mechanochromism and self-assembly characteristics. <i>Dyes and Pigments</i> , <b>2018</b> , 152, 54-59	4.6	35
338	A novel biocompatible zwitterionic polyurethane with AIE effect for cell imaging in living cells. <b>2018</b> , 8, 6798-6804		8

337	Functionalized chitosan with self-assembly induced and subcellular localization-dependent fluorescence switch on/off property. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 5774-5784	3.6	9
336	Tetrathienylethene based red aggregation-enhanced emission probes: super red-shifted mechanochromic behavior and highly photostable cell membrane imaging. <b>2018</b> , 2, 1126-1136		33
335	Cationic Organochalcogen with Monomer/Excimer Emissions for Dual-Color Live Cell Imaging and Cell Damage Diagnosis. <b>2018</b> , 10, 13264-13273		20
334	Facile fabrication of organic dyed polymer nanoparticles with aggregation-induced emission using an ultrasound-assisted multicomponent reaction and their biological imaging. <b>2018</b> , 519, 137-144		58
333	Ultra-bright intercellular lipids pseudo di-BODIPY probe with low molecular weight, high quantum yield and large two-photon action cross-sections. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 261, 161-168	8.5	6
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329	A novel pyridinium modified tetraphenylethene: AIE-activity, mechanochromism, DNA detection and mitochondrial imaging. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 1279-1285	7.3	27
328	Sanguinarine and chelerythrine: two natural products for mitochondria-imaging with aggregation-induced emission enhancement and pH-sensitive characteristics. <b>2018</b> , 8, 3919-3927		13
327	A water-soluble, AIE-active polyelectrolyte for conventional and fluorescence lifetime imaging of mouse neuroblastoma neuro-2A cells. <b>2018</b> , 56, 672-680		5
326	"Turn-on" Fluorescent Aptasensor Based on AIEgen Labeling for the Localization of IFN- $\gamma$ in Live Cells. <b>2018</b> , 3, 320-326		40
325	A multi-functional fluorescent probe with aggregation-induced emission characteristics: Mitochondrial imaging, photodynamic therapy and visualizing therapeutic process in zebrafish model. <i>Dyes and Pigments</i> , <b>2018</b> , 151, 45-53	4.6	20
324	Fabrication of AIE-active fluorescent polymeric nanoparticles with red emission through a facile catalyst-free amino-yne click polymerization. <i>Dyes and Pigments</i> , <b>2018</b> , 151, 123-129	4.6	19
323	Self-Assembled Coumarin Nanoparticle in Aqueous Solution as Selective Mitochondrial-Targeting Drug Delivery System. <b>2018</b> , 10, 3380-3391		30
322	Cation-Anion interaction-directed formation of functional vesicles and their biological application for nucleus-specific imaging. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9187-9192	3.6	4
321	Colloidal Nanobioconjugate with Complementary Surface Chemistry for Cellular and Subcellular Targeting. <b>2018</b> , 34, 13461-13471		23
320	Multi-functionalized chitosan nanoparticles for enhanced chemotherapy in lung cancer. <b>2018</b> , 195, 311-320		46

3 <sup>19</sup>	Different structures modulated mechanochromism and aggregation-induced emission in a series of Gold(I) complexes. <i>Dyes and Pigments</i> , <b>2018</b> , 156, 74-81	4.6	11
3 <sup>18</sup>	An Easily Accessible Ionic Aggregation-Induced Emission Luminogen with Hydrogen-Bonding-Switchable Emission and Wash-Free Imaging Ability. <b>2018</b> , 130, 5105-5109		25
3 <sup>17</sup>	High-contrast electrically switchable light-emitting liquid crystal displays based on Cyanostilbenic derivative. <b>2018</b> , 45, 32-39		12
3 <sup>16</sup>	Revealing membrane permeability of polymersomes through fluorescence enhancement. <b>2018</b> , 161, 156-161		8
3 <sup>15</sup>	A simple mitochondrial targeting AIEgen for image-guided two-photon excited photodynamic therapy. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 2557-2565	7.3	55
3 <sup>14</sup>	Mitochondria-targeting self-assembled nanoparticles derived from triphenylphosphonium-conjugated cyanostilbene enable site-specific imaging and anticancer drug delivery. <b>2018</b> , 11, 1082-1098		26
3 <sup>13</sup>	Synthesis of fluorescent dendrimers with aggregation-induced emission features through a one-pot multi-component reaction and their utilization for biological imaging. <b>2018</b> , 509, 327-333		9
3 <sup>12</sup>	Mitochondrial dynamics tracking with iridium(III) complexes. <b>2018</b> , 43, 51-57		35
3 <sup>11</sup>	Synthesis and studies of axial chiral bisbenzocoumarins: Aggregation-induced emission enhancement properties and aggregation-annihilation circular dichroism effects. <b>2018</b> , 193, 141-146		9
3 <sup>10</sup>	One-Photon and Two-Photon Mitochondrial Fluorescent Probes Based on a Rhodol Chromophore. <b>2018</b> , 7, 411-415		4
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3 <sup>08</sup>	Multifunctional AIEgens: Ready Synthesis, Tunable Emission, Mechanochromism, Mitochondrial, and Bacterial Imaging. <b>2018</b> , 28, 1704589		84
3 <sup>07</sup>	Zincke's Salt-Substituted Tetraphenylethylenes for Fluorometric Turn-On Detection of Glutathione and Fluorescence Imaging of Cancer Cells. <b>2018</b> , 10, 12141-12149		43
3 <sup>06</sup>	Progress and Trends in AIE-Based Bioprobes: A Brief Overview. <b>2018</b> , 10, 12217-12261		234
3 <sup>05</sup>	Aggregation-Induced Fluorescence Probe for Monitoring Membrane Potential Changes in Mitochondria. <b>2018</b> , 10, 12150-12154		76
3 <sup>04</sup>	A hydrophobic organelle probe based on aggregation-induced emission: Nanosuspension preparation and direct use for endoplasmic reticulum imaging in living cells. <b>2018</b> , 189, 231-238		13
3 <sup>03</sup>	Organic Mitoprobes based on Fluorogens with Aggregation-Induced Emission. <b>2018</b> , 58, 860-873		9
3 <sup>02</sup>	Mechanisms of action of Ru(II) polypyridyl complexes in living cells upon light irradiation. <i>Chemical Communications</i> , <b>2018</b> , 54, 13040-13059	5.8	64



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187	A 4-N,N-dimethylaminoaniline salicylaldehyde Schiff-base solution-solid dual emissive fluorophore: An aggregation-induced turquoise emission characteristics in liquid as a fluorescent probe for Zn response; a strong near-infrared emission in solid state and application for optical data storage. <b>2020</b> , 226, 117608		3
186	PET probe with Aggregation Induced Emission characteristics for the specific turn-on of aromatase. <b>2020</b> , 208, 120412		4
185	High-Performance Quinoline-Malononitrile Core as a Building Block for the Diversity-Oriented Synthesis of AI Egens. <b>2020</b> , 132, 9896-9909		11
184	Host-Guest Recognition and Fluorescence of a Tetraphenylethene-Based Octacationic Cage. <b>2020</b> , 59, 10101-10110		49
183	Structural Modification Orientated Multifunctional AIE Fluorescence Probes: Organelles Imaging and Effective Photosensitizer for Photodynamic Therapy. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901433	8.1	14
182	A mitochondria-targeted fluorescent probe for fast detecting hypochlorite in living cells. <i>Dyes and Pigments</i> , <b>2020</b> , 176, 108192	4.6	16
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179	In situ localization of alkaline phosphatase activity in tumor cells by an aggregation-induced emission fluorophore-based probes. <b>2020</b> , 28, 115284		8
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170	Host-Guest Recognition and Fluorescence of a Tetraphenylethene-Based Octacationic Cage. <b>2020</b> , 132, 10187-10196		6
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130	Innovative Synthetic Procedures for Luminogens Showing Aggregation-Induced Emission. <b>2021</b> , 60, 15724-15742		2
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