

K Peter R Nilsson

List of Publications by Year in descending order

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147
papers

8,004
citations

57758

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all docs

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Host oligodendroglial pathology and α -synuclein strains dictate disease severity in multiple system atrophy. <i>Brain</i> , 2023, 146, 237-251.	7.6	10
2	Synapsin III gene silencing redeems alpha-synuclein transgenic mice from Parkinson's disease-like phenotype. <i>Molecular Therapy</i> , 2022, 30, 1465-1483.	8.2	9
3	Cellular localization of p-tau217 in brain and its association with p-tau217 plasma levels. <i>Acta Neuropathologica Communications</i> , 2022, 10, 3.	5.2	36
4	Structural Properties Dictating Selective Optotracer Detection of <i>Staphylococcus aureus</i> . <i>ChemBioChem</i> , 2022, 23, .	2.6	5
5	Alpha-Synuclein Strain Variability in Body-First and Brain-First Synucleinopathies. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, .	3.4	10
6	Multiscale optical and optoacoustic imaging of amyloid- β deposits in mice. <i>Nature Biomedical Engineering</i> , 2022, 6, 1031-1044.	22.5	39
7	Deciphering the Electronic Transitions of Thiophene-Based Donor-Acceptor Donor Pentameric Ligands Utilized for Multimodal Fluorescence Microscopy of Protein Aggregates. <i>ChemPhysChem</i> , 2021, 22, 323-335.	2.1	11
8	Early detection of prion protein aggregation with a fluorescent pentameric oligothiophene probe using spectral confocal microscopy. <i>Journal of Neurochemistry</i> , 2021, 156, 1033-1048.	3.9	9
9	Microglia control small vessel calcification via TREM2. <i>Science Advances</i> , 2021, 7, .	10.3	22
10	Accumulation of alpha-synuclein within the liver, potential role in the clearance of brain pathology associated with Parkinson's disease. <i>Acta Neuropathologica Communications</i> , 2021, 9, 46.	5.2	14
11	$A\beta$ 43 aggregates exhibit enhanced prion-like seeding activity in mice. <i>Acta Neuropathologica Communications</i> , 2021, 9, 83.	5.2	14
12	Thiophene-Based Optical Ligands That Selectively Detect $A\beta$ Pathology in Alzheimer's Disease. <i>ChemBioChem</i> , 2021, 22, 2568-2581.	2.6	8
13	Distinct conformers of amyloid beta accumulate in the neocortex of patients with rapidly progressive Alzheimer's disease. <i>Journal of Biological Chemistry</i> , 2021, 297, 101267.	3.4	25
14	Tau Protein Binding Modes in Alzheimer's Disease for Cationic Luminescent Ligands. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11628-11636.	2.6	14
15	Shortening heparan sulfate chains prolongs survival and reduces parenchymal plaques in prion disease caused by mobile, ADAM10-cleaved prions. <i>Acta Neuropathologica</i> , 2020, 139, 527-546.	7.7	23
16	Optotracing for selective fluorescence-based detection, visualization and quantification of live <i>S. aureus</i> in real-time. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 35.	6.4	9
17	Tyrosine Side-Chain Functionalities at Distinct Positions Determine the Chiroptical Properties and Supramolecular Structures of Pentameric Oligothiophenes. <i>ChemistryOpen</i> , 2020, 9, 1100-1108.	1.9	2
18	Prominent microglial inclusions in transgenic mouse models of α -synucleinopathy that are distinct from neuronal lesions. <i>Acta Neuropathologica Communications</i> , 2020, 8, 133.	5.2	20

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19	Transcranial detection of amyloid β at single plaque resolution in vivo with large β -field multifocal illumination fluorescence microscopy. <i>Alzheimer's and Dementia</i> , 2020, 16, e036413.	0.8	2
20	Transcranial detection of tauopathy in vivo in P301L mice with high β -resolution large β -field multifocal illumination fluorescence microscopy. <i>Alzheimer's and Dementia</i> , 2020, 16, e047238.	0.8	0
21	Synthesis and Characterization of Thiophene β -based Donor β -Acceptor β -Donor Heptameric Ligands for Spectral Assignment of Polymorphic Amyloid β Deposits. <i>Chemistry - A European Journal</i> , 2020, 26, 7425-7432.	3.3	13
22	Cellulose from the green macroalgae <i>Ulva lactuca</i> : isolation, characterization, optotracing, and production of cellulose nanofibrils. <i>Cellulose</i> , 2020, 27, 3707-3725.	4.9	91
23	Discriminating β -synuclein strains in Parkinson β 's disease and multiple system atrophy. <i>Nature</i> , 2020, 578, 273-277.	27.8	479
24	Prion protein glycans reduce intracerebral fibril formation and spongiosis in prion disease. <i>Journal of Clinical Investigation</i> , 2020, 130, 1350-1362.	8.2	32
25	Detection of cerebral tauopathy in P301L mice using high-resolution large-field multifocal illumination fluorescence microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 4989.	2.9	22
26	Inhibiting the mitochondrial pyruvate carrier does not ameliorate synucleinopathy in the absence of inflammation or metabolic deficits.. <i>Free Neuropathology</i> , 2020, 1, .	3.0	2
27	In vivo detection of tau fibrils and amyloid β aggregates with luminescent conjugated oligothiophenes and multiphoton microscopy. <i>Acta Neuropathologica Communications</i> , 2019, 7, 171.	5.2	47
28	Conjugated Oligo- and Polymers for Bacterial Sensing. <i>Frontiers in Chemistry</i> , 2019, 7, 265.	3.6	13
29	Stereochemical identification of glucans by a donor β -acceptor β -donor conjugated pentamer enables multi-carbohydrate anatomical mapping in plant tissues. <i>Cellulose</i> , 2019, 26, 4253-4264.	4.9	15
30	Precisely Defined Conjugated Oligoelectrolytes for Biosensing and Therapeutics. <i>Advanced Materials</i> , 2019, 31, e1806701.	21.0	57
31	Pyroglutamation of amyloid- β 42 (β 42) followed by β 40 deposition underlies plaque polymorphism in progressing Alzheimer β 's disease pathology. <i>Journal of Biological Chemistry</i> , 2019, 294, 6719-6732.	3.4	49
32	Luminescent conjugated oligothiophenes distinguish between β -synuclein assemblies of Parkinson β 's disease and multiple system atrophy. <i>Acta Neuropathologica Communications</i> , 2019, 7, 193.	5.2	35
33	Generation of novel neuroinvasive prions following intravenous challenge. <i>Brain Pathology</i> , 2018, 28, 999-1011.	4.1	15
34	Aggregating sequences that occur in many proteins constitute weak spots of bacterial proteostasis. <i>Nature Communications</i> , 2018, 9, 866.	12.8	53
35	Aggregated β 1-42 Is Selectively Toxic for Neurons, Whereas Glial Cells Produce Mature Fibrils with Low Toxicity in <i>Drosophila</i> . <i>Cell Chemical Biology</i> , 2018, 25, 595-610.e5.	5.2	21
36	Stereochemical identification of glucans by oligothiophenes enables cellulose anatomical mapping in plant tissues. <i>Scientific Reports</i> , 2018, 8, 3108.	3.3	17

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37	Detection and Imaging of A β 2 and Tau Fibrils by Redesigned Fluorescent X β 4 Analogues. Chemistry - A European Journal, 2018, 24, 7210-7216.	3.3	22
38	Binding of Polythiophenes to Amyloids: Structural Mapping of the Pharmacophore. ACS Chemical Neuroscience, 2018, 9, 475-481.	3.5	31
39	Self-Assembly of a Structurally Defined Chiro-Optical Peptide β -Oligothiophene Hybrid Material. ACS Omega, 2018, 3, 15066-15075.	3.5	2
40	Synthesis and Characterization of Oligothiophene β -Porphyrin-Based Molecules That Can Be Utilized for Optical Assignment of Aggregated Amyloid- β Morphotypes. Frontiers in Chemistry, 2018, 6, 391.	3.6	8
41	Synthesis and Characterization of Novel Fluoro β -glycosylated Porphyrins that can be Utilized as Theranostic Agents. ChemistryOpen, 2018, 7, 495-503.	1.9	13
42	Multimodal Chemical Imaging of Amyloid Plaque Polymorphism Reveals A β 2 Aggregation Dependent Anionic Lipid Accumulations and Metabolism. Analytical Chemistry, 2018, 90, 8130-8138.	6.5	39
43	Synthesis and Characterization of Novel Fluoro-glycosylated Porphyrins that can be Utilized as Theranostic Agents. ChemistryOpen, 2018, 7, 490-490.	1.9	1
44	Two-Photon Fluorescence and Magnetic Resonance Specific Imaging of A β 2 Amyloid Using Hybrid Nano-GdF ₃ Contrast Media. ACS Applied Bio Materials, 2018, 1, 462-472.	4.6	24
45	Luminescent-Conjugated Oligothiophene Probe Applications for Fluorescence Imaging of Pure Amyloid Fibrils and Protein Aggregates in Tissues. Methods in Molecular Biology, 2018, 1779, 485-496.	0.9	6
46	New prion strain generation through splenic replication. FASEB Journal, 2018, 32, 40.8.	0.5	0
47	Labeling nanoparticles: Dye leakage and altered cellular uptake. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 760-766.	1.5	80
48	Synthesis and evaluation of benzothiazole-triazole and benzothiadiazole-triazole scaffolds as potential molecular probes for amyloid- β aggregation. New Journal of Chemistry, 2017, 41, 1566-1573.	2.8	39
49	Post-translational modifications in PrP expand the conformational diversity of prions in vivo. Scientific Reports, 2017, 7, 43295.	3.3	30
50	In vivo polymerization and manufacturing of wires and supercapacitors in plants. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2807-2812.	7.1	84
51	Specific Imaging of Intracellular Lipid Droplets Using a Benzothiadiazole Derivative with Solvatochromic Properties. Bioconjugate Chemistry, 2017, 28, 1363-1370.	3.6	43
52	Establishing and validating the fluorescent amyloid ligand h-FTAA (heptamer formyl thiophene acetic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2017, 24, 78-86.	3.0	15
53	Seed-dependent templating of murine AA amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2017, 24, 140-141.	3.0	2
54	β -Configured clickable [18F]FDGs as novel 18F-fluoroglycosylation tools for PET. New Journal of Chemistry, 2017, 41, 10231-10236.	2.8	5

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55	Distinct Electrostatic Interactions Govern the Chiro-Optical Properties and Architectural Arrangement of Peptide- α -Oligothiophene Hybrid Materials. <i>Macromolecules</i> , 2017, 50, 7102-7110.	4.8	14
56	Synthesis of Thiophene-Based Optical Ligands That Selectively Detect Tau Pathology in Alzheimer's Disease. <i>Chemistry - A European Journal</i> , 2017, 23, 17127-17135.	3.3	32
57	Imaging Amyloid Tissues Stained with Luminescent Conjugated Oligothiophenes by Hyperspectral Confocal Microscopy and Fluorescence Lifetime Imaging. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	14
58	Amyloid polymorphisms constitute distinct clouds of conformational variants in different etiological subtypes of Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13018-13023.	7.1	170
59	Non-fused Phospholes as Fluorescent Probes for Imaging of Lipid Droplets in Living Cells. <i>Frontiers in Chemistry</i> , 2017, 5, 28.	3.6	17
60	Axonal and myelinic pathology in 5xFAD Alzheimer's mouse spinal cord. <i>PLoS ONE</i> , 2017, 12, e0188218.	2.5	42
61	Nanoscale Structure and Spectroscopic Probing of $A\beta^{1-40}$ Fibril Bundle Formation. <i>Frontiers in Chemistry</i> , 2016, 4, 44.	3.6	29
62	Protein aggregation as an antibiotic design strategy. <i>Molecular Microbiology</i> , 2016, 99, 849-865.	2.5	44
63	Conversion of Synthetic $A\beta^{25-35}$ to <i>In Vivo</i> Active Seeds and Amyloid Plaque Formation in a Hippocampal Slice Culture Model. <i>Journal of Neuroscience</i> , 2016, 36, 5084-5093.	3.6	41
64	Spatiotemporal Control of Amyloid-Like $A\beta^{25-35}$ Plaque Formation Using a Multichannel Organic Electronic Device. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 359-363.	3.6	4
65	Real-time optotracing of curli and cellulose in live <i>Salmonella</i> biofilms using luminescent oligothiophenes. <i>Npj Biofilms and Microbiomes</i> , 2016, 2, 16024.	6.4	42
66	De novo design of a biologically active amyloid. <i>Science</i> , 2016, 354, .	12.6	63
67	Anionic Oligothiophenes Compete for Binding of $A\beta^{25-35}$ but not PIB to Recombinant $A\beta^{25-35}$ Amyloid Fibrils and Alzheimer's Disease Brain-Derived $A\beta^{25-35}$. <i>Chemistry - A European Journal</i> , 2016, 22, 18335-18338.	3.3	22
68	Nondestructive, real-time determination and visualization of cellulose, hemicellulose and lignin by luminescent oligothiophenes. <i>Scientific Reports</i> , 2016, 6, 35578.	3.3	34
69	Establishing the fluorescent amyloid ligand h-FTAA for studying human tissues with systemic and localized amyloid. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2016, 23, 98-108.	3.0	28
70	^{11}C and ^{18}F Radiolabeling of Tetra- and Pentathiophenes as PET-Ligands for Amyloid Protein Aggregates. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 368-373.	2.8	10
71	Distinct Spacing Between Anionic Groups: An Essential Chemical Determinant for Achieving Thiophene-Based Ligands to Distinguish $A\beta$ Amyloid or Tau Polymorphic Aggregates. <i>Chemistry - A European Journal</i> , 2015, 21, 9072-9082.	3.3	44
72	Differential vital staining of normal fibroblasts and melanoma cells by an anionic conjugated polyelectrolyte. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 262-272.	1.5	12

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73	Pathological, biochemical, and biophysical characteristics of the transthyretin variant <sc>Y114H</sc> (p.<sc>Y134H</sc>) explain its very mild clinical phenotype. <i>Journal of the Peripheral Nervous System</i> , 2015, 20, 372-379.	3.1	5
74	Frontispiece: Distinct Spacing Between Anionic Groups: An Essential Chemical Determinant for Achieving Thiophene-Based Ligands to Distinguish β -Amyloid or Tau Polymorphic Aggregates. <i>Chemistry - A European Journal</i> , 2015, 21, .	3.3	0
75	Near-Infrared Emitting and Pro-Angiogenic Electrospun Conjugated Polymer Scaffold for Optical Biomaterial Tracking. <i>Advanced Functional Materials</i> , 2015, 25, 4274-4281.	14.9	19
76	An imidazole functionalized pentameric thiophene displays different staining patterns in normal and malignant cells. <i>Frontiers in Chemistry</i> , 2015, 3, 58.	3.6	9
77	The fluorescent pentameric oligothiophene pFTAA identifies filamentous tau in live neurons cultured from adult P301S tau mice. <i>Frontiers in Neuroscience</i> , 2015, 9, 184.	2.8	34
78	Structure-based drug design identifies polythiophenes as anti-prion compounds. <i>Science Translational Medicine</i> , 2015, 7, 299ra123.	12.4	130
79	Endogenous murine β increases amyloid deposition in APP23 but not in APPPS1 transgenic mice. <i>Neurobiology of Aging</i> , 2015, 36, 2241-2247.	3.1	9
80	Sensitive and rapid assessment of amyloid by oligothiophene fluorescence in subcutaneous fat tissue. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2015, 22, 19-25.	3.0	28
81	A Palette of Fluorescent Thiophene-Based Ligands for the Identification of Protein Aggregates. <i>Chemistry - A European Journal</i> , 2015, 21, 15133-15137.	3.3	74
82	An azide functionalized oligothiophene ligand – A versatile tool for multimodal detection of disease associated protein aggregates. <i>Biosensors and Bioelectronics</i> , 2015, 63, 204-211.	10.1	24
83	β seeds resist inactivation by formaldehyde. <i>Acta Neuropathologica</i> , 2014, 128, 477-484.	7.7	58
84	Multimodal fluorescence microscopy of prion strain specific PrP deposits stained by thiophene-based amyloid ligands. <i>Prion</i> , 2014, 8, 319-329.	1.8	63
85	Pentameric Thiophene-Based Ligands that Spectrally Discriminate Amyloid β and Tau Aggregates Display Distinct Solvatochromism and Viscosity-Induced Spectral Shifts. <i>Chemistry - A European Journal</i> , 2014, 20, 12537-12543.	3.3	44
86	Direct visualization of HIV-enhancing endogenous amyloid fibrils in human semen. <i>Nature Communications</i> , 2014, 5, 3508.	12.8	95
87	Cell type related differences in staining with pentameric thiophene derivatives. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 628-635.	1.5	23
88	Toward a Molecular Understanding of the Detection of Amyloid Proteins with Flexible Conjugated Oligothiophenes. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9820-9827.	2.5	34
89	Enhanced Fluorescent Assignment of Protein Aggregates by an Oligothiophene-Porphyrin-Based Amyloid Ligand. <i>Macromolecular Rapid Communications</i> , 2013, 34, 723-730.	3.9	22
90	Evidence for Age-Dependent <i>in Vivo</i> Conformational Rearrangement within β Amyloid Deposits. <i>ACS Chemical Biology</i> , 2013, 8, 1128-1133.	3.4	93

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91	Superresolution Imaging of Amyloid Fibrils with Binding-Activated Probes. ACS Chemical Neuroscience, 2013, 4, 1057-1061.	3.5	75
92	The Structural Basis for Optimal Performance of Oligothiophene-Based Fluorescent Amyloid Ligands: Conformational Flexibility is Essential for Spectral Assignment of a Diversity of Protein Aggregates. Chemistry - A European Journal, 2013, 19, 10179-10192.	3.3	95
93	Conjugated Polyelectrolyte-Based Imaging and Monitoring of Protein Aggregation. , 2013, , 295-314.		1
94	Defining the Conformational Features of Anchorless, Poorly Neuroinvasive Prions. PLoS Pathogens, 2013, 9, e1003280.	4.7	22
95	Luminescent Conjugated Oligothiophenes for Sensitive Fluorescent Assignment of Protein Inclusion Bodies. ChemBioChem, 2013, 14, 607-616.	2.6	47
96	Seeded strain-like transmission of β^2 amyloid morphotypes in APP transgenic mice. EMBO Reports, 2013, 14, 1017-1022.	4.5	118
97	Luminescent conjugated poly- and oligo-thiophenes: optical ligands for spectral assignment of a plethora of protein aggregates. Biochemical Society Transactions, 2012, 40, 704-710.	3.4	42
98	Nanoscope and Photonic Ultrastructural Characterization of Two Distinct Insulin Amyloid States. International Journal of Molecular Sciences, 2012, 13, 1461-1480.	4.1	10
99	Polythiophenes Inhibit Prion Propagation by Stabilizing Prion Protein (PrP) Aggregates. Journal of Biological Chemistry, 2012, 287, 18872-18887.	3.4	58
100	Spectral Discrimination of Cerebral Amyloid Lesions after Peripheral Application of Luminescent Conjugated Oligothiophenes. American Journal of Pathology, 2012, 181, 1953-1960.	3.8	36
101	Identification of distinct physicochemical properties of toxic prefibrillar species formed by $A\beta^2$ peptide variants. Biochemical and Biophysical Research Communications, 2012, 420, 895-900.	2.1	15
102	Curcumin Promotes A-beta Fibrillation and Reduces Neurotoxicity in Transgenic Drosophila. PLoS ONE, 2012, 7, e31424.	2.5	129
103	A Pentameric Luminescent-Conjugated Oligothiophene for Optical Imaging of In Vitro-Formed Amyloid Fibrils and Protein Aggregates in Tissue Sections. Methods in Molecular Biology, 2012, 849, 425-434.	0.9	12
104	Cell Interaction Study of Amyloid by Using Luminescent Conjugated Polythiophene: Implication that Amyloid Cytotoxicity Is Correlated with Prolonged Cellular Binding. ChemBioChem, 2012, 13, 358-363.	2.6	12
105	Cross β^2 -Sheet Conformation of Keratin 8 Is a Specific Feature of Mallory-Denk Bodies Compared With Other Hepatocyte Inclusions. Gastroenterology, 2011, 141, 1080-1090.e7.	1.3	42
106	Observations in APP Bitransgenic Mice Suggest that Diffuse and Compact Plaques Form via Independent Processes in Alzheimer's Disease. American Journal of Pathology, 2011, 178, 2286-2298.	3.8	38
107	Conjugated polymers for enhanced bioimaging. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 286-296.	2.4	54
108	Synthesis of a library of oligothiophenes and their utilization as fluorescent ligands for spectral assignment of protein aggregates. Organic and Biomolecular Chemistry, 2011, 9, 8356.	2.8	162

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109	Spongiform Encephalopathy in Transgenic Mice Expressing a Point Mutation in the β 2 Loop of the Prion Protein. <i>Journal of Neuroscience</i> , 2011, 31, 13840-13847.	3.6	56
110	Tracking protein aggregate interactions. <i>Prion</i> , 2011, 5, 52-55.	1.8	4
111	<i>Drosophila Melanogaster</i> as a Model System for Studies of Islet Amyloid Polypeptide Aggregation. <i>PLoS ONE</i> , 2011, 6, e20221.	2.5	20
112	Luminescent conjugated oligothiophenes: optical dyes for revealing pathological hallmarks of protein misfolding diseases. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
113	Spatially Controlled Amyloid Reactions Using Organic Electronics. <i>Small</i> , 2010, 6, 2153-2161.	10.0	13
114	Efficient imaging of amyloid deposits in <i>Drosophila</i> models of human amyloidoses. <i>Nature Protocols</i> , 2010, 5, 935-944.	12.0	52
115	Prion Strain Interactions Are Highly Selective. <i>Journal of Neuroscience</i> , 2010, 30, 12094-12102.	3.6	40
116	Structural Typing of Systemic Amyloidoses by Luminescent-Conjugated Polymer Spectroscopy. <i>American Journal of Pathology</i> , 2010, 176, 563-574.	3.8	84
117	A Fluorescent Pentameric Thiophene Derivative Detects in Vitro-Formed Prefibrillar Protein Aggregates. <i>Biochemistry</i> , 2010, 49, 6838-6845.	2.5	88
118	Optical Reporting by Conjugated Polymers via Conformational Changes. <i>Springer Series on Fluorescence</i> , 2010, , 389-416.	0.8	2
119	Amyloid fibrils of human prion protein are spun and woven from morphologically disordered aggregates. <i>Prion</i> , 2009, 3, 224-235.	1.8	34
120	De novo generation of a transmissible spongiform encephalopathy by mouse transgenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 304-309.	7.1	185
121	Small organic probes as amyloid specific ligands – Past and recent molecular scaffolds. <i>FEBS Letters</i> , 2009, 583, 2593-2599.	2.8	87
122	Fluorescent oligo and poly-thiophenes and their utilization for recording biological events of diverse origin – when organic chemistry meets biology. <i>Journal of Chemical Biology</i> , 2009, 2, 161-175.	2.2	31
123	Novel Pentameric Thiophene Derivatives for <i>in Vitro</i> and <i>in Vivo</i> Optical Imaging of a Plethora of Protein Aggregates in Cerebral Amyloidoses. <i>ACS Chemical Biology</i> , 2009, 4, 673-684.	3.4	290
124	A highly insoluble state of β 2 similar to that of Alzheimer's disease brain is found in Arctic APP transgenic mice. <i>Neurobiology of Aging</i> , 2009, 30, 1393-1405.	3.1	79
125	Functional Amyloids As Natural Storage of Peptide Hormones in Pituitary Secretory Granules. <i>Science</i> , 2009, 325, 328-332.	12.6	903
126	Luminescent conjugated oligothiophenes: real time in vivo imaging of biomolecules. , 2009, , .		0

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127	Luminescent Conjugated Polymers: Illuminating the Dark Matters of Biology and Pathology. <i>Advanced Materials</i> , 2008, 20, 2639-2645.	21.0	45
128	Chemical and biophysical insights into the propagation of prion strains. <i>HFSP Journal</i> , 2008, 2, 332-341.	2.5	30
129	Conjugated polythiophene probes target lysosome-related acidic vacuoles in cultured primary cells. <i>Molecular and Cellular Probes</i> , 2007, 21, 329-337.	2.1	35
130	Imaging Distinct Conformational States of Amyloid- β Fibrils in Alzheimer's Disease Using Novel Luminescent Probes. <i>ACS Chemical Biology</i> , 2007, 2, 553-560.	3.4	177
131	Studies of Luminescent Conjugated Polythiophene Derivatives: Enhanced Spectral Discrimination of Protein Conformational States. <i>Bioconjugate Chemistry</i> , 2007, 18, 1860-1868.	3.6	75
132	Quantum efficiency and two-photon absorption cross-section of conjugated polyelectrolytes used for protein conformation measurements with applications on amyloid structures. <i>Chemical Physics</i> , 2007, 336, 121-126.	1.9	34
133	Prion strain discrimination using luminescent conjugated polymers. <i>Nature Methods</i> , 2007, 4, 1023-1030.	19.0	261
134	Biosensing and -imaging with enantiomeric luminescent conjugated polythiophenes using single- and multiphoton excitation. , 2006, , .		0
135	Surface Energy Modified Chips for Detection of Conformational States and Enzymatic Activity in Biomolecules. <i>Langmuir</i> , 2006, 22, 2205-2211.	3.5	26
136	Conjugated Polyelectrolytes' Conformation-Sensitive Optical Probes for Staining and Characterization of Amyloid Deposits. <i>ChemBioChem</i> , 2006, 7, 1096-1104.	2.6	123
137	Interactions between a Zwitterionic Polythiophene Derivative and Oligonucleotides As Resolved by Fluorescence Resonance Energy Transfer. <i>Chemistry of Materials</i> , 2005, 17, 4204-4211.	6.7	42
138	Synthesis of a Regioregular Zwitterionic Conjugated Oligoelectrolyte, Usable as an Optical Probe for Detection of Amyloid Fibril Formation at Acidic pH. <i>Journal of the American Chemical Society</i> , 2005, 127, 2317-2323.	13.7	138
139	Chiral Recognition of a Synthetic Peptide Using Enantiomeric Conjugated Polyelectrolytes and Optical Spectroscopy. <i>Macromolecules</i> , 2005, 38, 6813-6821.	4.8	52
140	Biosensing and -imaging with enantiomeric luminescent conjugated polythiophenes using multiphoton excitation. , 2005, 5935, 115.		1
141	Conjugated Polyelectrolytes: Conformation-Sensitive Optical Probes for Detection of Amyloid Fibril Formation. <i>Biochemistry</i> , 2005, 44, 3718-3724.	2.5	170
142	Twisting macromolecular chains: Self-assembly of a chiral supermolecule from nonchiral polythiophene polyanions and random-coil synthetic peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11197-11202.	7.1	99
143	Enantiomeric Substituents Determine the Chirality of Luminescent Conjugated Polythiophenes. <i>Macromolecules</i> , 2004, 37, 6316-6321.	4.8	58
144	Fluorescence quenching and excitation transfer between semiconducting and metallic organic layers. <i>Journal of Applied Physics</i> , 2004, 96, 3140-3147.	2.5	10

#	ARTICLE	IF	CITATIONS
145	Optical Emission of a Conjugated Polyelectrolyte: Calcium-Induced Conformational Changes in Calmodulin and Calmodulin-Calcineurin Interactions. <i>Macromolecules</i> , 2004, 37, 9109-9113.	4.8	60
146	Chip and solution detection of DNA hybridization using a luminescent zwitterionic polythiophene derivative. <i>Nature Materials</i> , 2003, 2, 419-424.	27.5	335
147	Self-assembly of synthetic peptides control conformation and optical properties of a zwitterionic polythiophene derivative. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10170-10174.	7.1	167