

K Peter R Nilsson

List of Publications by Year in descending order

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147
papers

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citations

57758

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docs citations

153
times ranked

7602
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Amyloids As Natural Storage of Peptide Hormones in Pituitary Secretory Granules. <i>Science</i> , 2009, 325, 328-332.	12.6	903
2	Discriminating β -synuclein strains in Parkinson's disease and multiple system atrophy. <i>Nature</i> , 2020, 578, 273-277.	27.8	479
3	Chip and solution detection of DNA hybridization using a luminescent zwitterionic polythiophene derivative. <i>Nature Materials</i> , 2003, 2, 419-424.	27.5	335
4	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
5	Prion strain discrimination using luminescent conjugated polymers. <i>Nature Methods</i> , 2007, 4, 1023-1030.	19.0	261
6	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
7	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
8	Conjugated Polyelectrolytes: A Conformation-Sensitive Optical Probes for Detection of Amyloid Fibril Formation. <i>Biochemistry</i> , 2005, 44, 3718-3724.	2.5	170
9	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
10	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
11	Synthesis of a library of oligothiophenes and their utilization as fluorescent ligands for spectral assignment of protein aggregates. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8356.	2.8	162
12	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
13	Structure-based drug design identifies polythiophenes as antiprion compounds. <i>Science Translational Medicine</i> , 2015, 7, 299ra123.	12.4	130
14	Curcumin Promotes A-beta Fibrillation and Reduces Neurotoxicity in Transgenic <i>Drosophila</i> . <i>PLoS ONE</i> , 2012, 7, e31424.	2.5	129
15	Conjugated Polyelectrolytes' Conformation-Sensitive Optical Probes for Staining and Characterization of Amyloid Deposits. <i>ChemBioChem</i> , 2006, 7, 1096-1104.	2.6	123
16	Seeded strain-like transmission of β -amyloid morphotypes in APP transgenic mice. <i>EMBO Reports</i> , 2013, 14, 1017-1022.	4.5	118
17	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
18	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. <i>Chemistry - A European Journal</i> , 2013, 19, 10179-10192.	3.3	95

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19	Direct visualization of HIV-enhancing endogenous amyloid fibrils in human semen. <i>Nature Communications</i> , 2014, 5, 3508.	12.8	95
20	Evidence for Age-Dependent <i>in Vivo</i> Conformational Rearrangement within A β Amyloid Deposits. <i>ACS Chemical Biology</i> , 2013, 8, 1128-1133.	3.4	93
21	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
22	A Fluorescent Pentameric Thiophene Derivative Detects <i>In Vitro</i> -Formed Prefibrillar Protein Aggregates. <i>Biochemistry</i> , 2010, 49, 6838-6845.	2.5	88
23	Small organic probes as amyloid specific ligands – Past and recent molecular scaffolds. <i>FEBS Letters</i> , 2009, 583, 2593-2599.	2.8	87
24	Structural Typing of Systemic Amyloidoses by Luminescent-Conjugated Polymer Spectroscopy. <i>American Journal of Pathology</i> , 2010, 176, 563-574.	3.8	84
25	<i>In vivo</i> polymerization and manufacturing of wires and supercapacitors in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2807-2812.	7.1	84
26	Labeling nanoparticles: Dye leakage and altered cellular uptake. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 760-766.	1.5	80
27	A highly insoluble state of A β 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
28	Studies of Luminescent Conjugated Polythiophene Derivatives: Enhanced Spectral Discrimination of Protein Conformational States. <i>Bioconjugate Chemistry</i> , 2007, 18, 1860-1868.	3.6	75
29	Superresolution Imaging of Amyloid Fibrils with Binding-Activated Probes. <i>ACS Chemical Neuroscience</i> , 2013, 4, 1057-1061.	3.5	75
30	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
31	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
32	De novo design of a biologically active amyloid. <i>Science</i> , 2016, 354, .	12.6	63
33	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
34	Enantiomeric Substituents Determine the Chirality of Luminescent Conjugated Polythiophenes. <i>Macromolecules</i> , 2004, 37, 6316-6321.	4.8	58
35	Polythiophenes Inhibit Prion Propagation by Stabilizing Prion Protein (PrP) Aggregates. <i>Journal of Biological Chemistry</i> , 2012, 287, 18872-18887.	3.4	58
36	A β seeds resist inactivation by formaldehyde. <i>Acta Neuropathologica</i> , 2014, 128, 477-484.	7.7	58

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37	Precisely Defined Conjugated Oligoelectrolytes for Biosensing and Therapeutics. <i>Advanced Materials</i> , 2019, 31, e1806701.	21.0	57
38	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
39	Conjugated polymers for enhanced bioimaging. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 286-296.	2.4	54
40	Aggregating sequences that occur in many proteins constitute weak spots of bacterial proteostasis. <i>Nature Communications</i> , 2018, 9, 866.	12.8	53
41	Chiral Recognition of a Synthetic Peptide Using Enantiomeric Conjugated Polyelectrolytes and Optical Spectroscopy. <i>Macromolecules</i> , 2005, 38, 6813-6821.	4.8	52
42	Efficient imaging of amyloid deposits in <i>Drosophila</i> models of human amyloidoses. <i>Nature Protocols</i> , 2010, 5, 935-944.	12.0	52
43	Pyroglutamation of amyloid- β 42 ($A\beta$ 42) followed by $A\beta$ 40 deposition underlies plaque polymorphism in progressing Alzheimer's disease pathology. <i>Journal of Biological Chemistry</i> , 2019, 294, 6719-6732.	3.4	49
44	Luminescent Conjugated Oligothiophenes for Sensitive Fluorescent Assignment of Protein Inclusion Bodies. <i>ChemBioChem</i> , 2013, 14, 607-616.	2.6	47
45	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
46	Luminescent Conjugated Polymers: Illuminating the Dark Matters of Biology and Pathology. <i>Advanced Materials</i> , 2008, 20, 2639-2645.	21.0	45
47	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
48	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, 9072-9082.	3.3	44
49	Protein aggregation as an antibiotic design strategy. <i>Molecular Microbiology</i> , 2016, 99, 849-865.	2.5	44
50	Specific Imaging of Intracellular Lipid Droplets Using a Benzothiadiazole Derivative with Solvatochromic Properties. <i>Bioconjugate Chemistry</i> , 2017, 28, 1363-1370.	3.6	43
51	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
52	Cross β -Sheet Conformation of Keratin 8 Is a Specific Feature of Mallory-Denk Bodies Compared With Other Hepatocyte Inclusions. <i>Gastroenterology</i> , 2011, 141, 1080-1090.e7.	1.3	42
53	Luminescent conjugated poly- and oligo-thiophenes: optical ligands for spectral assignment of a plethora of protein aggregates. <i>Biochemical Society Transactions</i> , 2012, 40, 704-710.	3.4	42
54	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

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55	Axonal and myelinic pathology in 5xFAD Alzheimer's mouse spinal cord. <i>PLoS ONE</i> , 2017, 12, e0188218.	2.5	42
56	Conversion of Synthetic A β 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
57	Prion Strain Interactions Are Highly Selective. <i>Journal of Neuroscience</i> , 2010, 30, 12094-12102.	3.6	40
58	Synthesis and evaluation of benzothiazole-triazole and benzothiadiazole-triazole scaffolds as potential molecular probes for amyloid- β aggregation. <i>New Journal of Chemistry</i> , 2017, 41, 1566-1573.	2.8	39
59	Multimodal Chemical Imaging of Amyloid Plaque Polymorphism Reveals A β Aggregation Dependent Anionic Lipid Accumulations and Metabolism. <i>Analytical Chemistry</i> , 2018, 90, 8130-8138.	6.5	39
60	Multiscale optical and optoacoustic imaging of amyloid- β deposits in mice. <i>Nature Biomedical Engineering</i> , 2022, 6, 1031-1044.	22.5	39
61	Observations in APP Bitransgenic Mice Suggest that Diffuse and Compact Plaques Form via Independent Processes in Alzheimer's Disease. <i>American Journal of Pathology</i> , 2011, 178, 2286-2298.	3.8	38
62	Spectral Discrimination of Cerebral Amyloid Lesions after Peripheral Application of Luminescent Conjugated Oligothiophenes. <i>American Journal of Pathology</i> , 2012, 181, 1953-1960.	3.8	36
63	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
64	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
65	Luminescent conjugated oligothiophenes distinguish between β -synuclein assemblies of Parkinson's disease and multiple system atrophy. <i>Acta Neuropathologica Communications</i> , 2019, 7, 193.	5.2	35
66	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
67	Amyloid fibrils of human prion protein are spun and woven from morphologically disordered aggregates. <i>Prion</i> , 2009, 3, 224-235.	1.8	34
68	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
69	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
70	Nondestructive, real-time determination and visualization of cellulose, hemicellulose and lignin by luminescent oligothiophenes. <i>Scientific Reports</i> , 2016, 6, 35578.	3.3	34
71	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
72	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

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73	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
74	Binding of Polythiophenes to Amyloids: Structural Mapping of the Pharmacophore. <i>ACS Chemical Neuroscience</i> , 2018, 9, 475-481.	3.5	31
75	Chemical and biophysical insights into the propagation of prion strains. <i>HFSP Journal</i> , 2008, 2, 332-341.	2.5	30
76	Post-translational modifications in PrP expand the conformational diversity of prions in vivo. <i>Scientific Reports</i> , 2017, 7, 43295.	3.3	30
77	Nanoscale Structure and Spectroscopic Probing of A β ²¹⁻⁴⁰ Fibril Bundle Formation. <i>Frontiers in Chemistry</i> , 2016, 4, 44.	3.6	29
78	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
79	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
80	Surface Energy Modified Chips for Detection of Conformational States and Enzymatic Activity in Biomolecules. <i>Langmuir</i> , 2006, 22, 2205-2211.	3.5	26
81	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
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	Two-Photon Fluorescence and Magnetic Resonance Specific Imaging of A β ² Amyloid Using Hybrid Nano-GdF ₃ Contrast Media. <i>ACS Applied Bio Materials</i> , 2018, 1, 462-472.	4.6	24
84	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
85	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
86	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
87	Defining the Conformational Features of Anchorless, Poorly Neuroinvasive Prions. <i>PLoS Pathogens</i> , 2013, 9, e1003280.	4.7	22
88	Anionic Oligothiophenes Compete for Binding of X β ³⁴ but not PIB to Recombinant A β ² Amyloid Fibrils and Alzheimer's Disease Brain—Derived A β ² . <i>Chemistry - A European Journal</i> , 2016, 22, 18335-18338.	3.3	22
89	Detection and Imaging of A β ¹⁻⁴² and Tau Fibrils by Redesigned Fluorescent X β ³⁴ Analogues. <i>Chemistry - A European Journal</i> , 2018, 24, 7210-7216.	3.3	22
90	Microglia control small vessel calcification via TREM2. <i>Science Advances</i> , 2021, 7, .	10.3	22

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91	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
92	Aggregated A 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
93	Prominent microglial inclusions in transgenic mouse models of β -synucleinopathy that are distinct from neuronal lesions. <i>Acta Neuropathologica Communications</i> , 2020, 8, 133.	5.2	20
94	<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
95	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
96	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
97	Stereochemical identification of glucans by oligothiophenes enables cellulose anatomical mapping in plant tissues. <i>Scientific Reports</i> , 2018, 8, 3108.	3.3	17
98	Identification of distinct physiochemical properties of toxic prefibrillar species formed by A β 2 peptide variants. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 895-900.	2.1	15
99	Establishing and validating the fluorescent amyloid ligand h-FTAA (heptamer formyl thiophene acetic) Tj ETQq1 1 0.784314 rgBT /Ove Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis. 2017, 24, 78-86.	3.0	15
100	Generation of novel neuroinvasive prions following intravenous challenge. <i>Brain Pathology</i> , 2018, 28, 999-1011.	4.1	15
101	Stereochemical identification of glucans by a donor-acceptor-donor conjugated pentamer enables multi-carbohydrate anatomical mapping in plant tissues. <i>Cellulose</i> , 2019, 26, 4253-4264.	4.9	15
102	Distinct Electrostatic Interactions Govern the Chiro-Optical Properties and Architectural Arrangement of Peptide-Oligothiophene Hybrid Materials. <i>Macromolecules</i> , 2017, 50, 7102-7110.	4.8	14
103	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
104	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
105	A β 243 aggregates exhibit enhanced prion-like seeding activity in mice. <i>Acta Neuropathologica Communications</i> , 2021, 9, 83.	5.2	14
106	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
107	Spatially Controlled Amyloid Reactions Using Organic Electronics. <i>Small</i> , 2010, 6, 2153-2161.	10.0	13
108	Synthesis and Characterization of Novel Fluoro-glycosylated Porphyrins that can be Utilized as Theranostic Agents. <i>ChemistryOpen</i> , 2018, 7, 495-503.	1.9	13

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109	Conjugated Oligo- and Polymers for Bacterial Sensing. <i>Frontiers in Chemistry</i> , 2019, 7, 265.	3.6	13
110	Synthesis and Characterization of Thiophene-Based Donor-Acceptor-Donor Heptameric Ligands for Spectral Assignment of Polymorphic Amyloid β Deposits. <i>Chemistry - A European Journal</i> , 2020, 26, 7425-7432.	3.3	13
111	A Pentameric Luminescent-Conjugated Oligothiophene for Optical Imaging of In Vitro-Formed Amyloid Fibrils and Protein Aggregates in Tissue Sections. <i>Methods in Molecular Biology</i> , 2012, 849, 425-434.	0.9	12
112	Cell Interaction Study of Amyloid by Using Luminescent Conjugated Polythiophene: Implication that Amyloid Cytotoxicity Is Correlated with Prolonged Cellular Binding. <i>ChemBioChem</i> , 2012, 13, 358-363.	2.6	12
113	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
114	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
115	Fluorescence quenching and excitation transfer between semiconducting and metallic organic layers. <i>Journal of Applied Physics</i> , 2004, 96, 3140-3147.	2.5	10
116	Nanoscope and Photonic Ultrastructural Characterization of Two Distinct Insulin Amyloid States. <i>International Journal of Molecular Sciences</i> , 2012, 13, 1461-1480.	4.1	10
117	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
118	Host oligodendroglial pathology and β -synuclein strains dictate disease severity in multiple system atrophy. <i>Brain</i> , 2023, 146, 237-251.	7.6	10
119	Alpha-Synuclein Strain Variability in Body-First and Brain-First Synucleinopathies. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, .	3.4	10
120	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
121	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
122	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
123	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
124	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
125	Synthesis and Characterization of Oligothiophene-Porphyrin-Based Molecules That Can Be Utilized for Optical Assignment of Aggregated Amyloid β Morphotypes. <i>Frontiers in Chemistry</i> , 2018, 6, 391.	3.6	8
126	Thiophene-Based Optical Ligands That Selectively Detect β Pathology in Alzheimer's Disease. <i>ChemBioChem</i> , 2021, 22, 2568-2581.	2.6	8

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127	Luminescent-Conjugated Oligothiophene Probe Applications for Fluorescence Imaging of Pure Amyloid Fibrils and Protein Aggregates in Tissues. <i>Methods in Molecular Biology</i> , 2018, 1779, 485-496.	0.9	6
128	Pathological, biochemical, and biophysical characteristics of the transthyretin variant <scp>Y114H</scp> (p.<scp>Y134H</scp>) explain its very mild clinical phenotype. <i>Journal of the Peripheral Nervous System</i> , 2015, 20, 372-379.	3.1	5
129	$\hat{2}$ -Configured clickable [18F]FDGs as novel 18F-fluoroglycosylation tools for PET. <i>New Journal of Chemistry</i> , 2017, 41, 10231-10236.	2.8	5
130	Structural Properties Dictating Selective Optotracer Detection of <i>Staphylococcus aureus</i>. <i>ChemBioChem</i> , 2022, 23, .	2.6	5
131	Tracking protein aggregate interactions. <i>Prion</i> , 2011, 5, 52-55.	1.8	4
132	Spatiotemporal Control of Amyloid-Like A β 2 Plaque Formation Using a Multichannel Organic Electronic Device. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 359-363.	3.6	4
133	Luminescent conjugated oligothiophenes: optical dyes for revealing pathological hallmarks of protein misfolding diseases. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
134	Seed-dependent templating of murine AA amyloidosis. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2017, 24, 140-141.	3.0	2
135	Self-Assembly of a Structurally Defined Chiro-Optical Peptideâ€“Oligothiophene Hybrid Material. <i>ACS Omega</i> , 2018, 3, 15066-15075.	3.5	2
136	Tyrosine Sideâ€“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
137	Transcranial detection of amyloidâ€“beta at single plaque resolution in vivo with largeâ€“field multifocal illumination fluorescence microscopy. <i>Alzheimer's and Dementia</i> , 2020, 16, e036413.	0.8	2
138	Optical Reporting by Conjugated Polymers via Conformational Changes. <i>Springer Series on Fluorescence</i> , 2010, , 389-416.	0.8	2
139	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
140	Biosensing and -imaging with enantiomeric luminescent conjugated polythiophenes using multiphoton excitation. , 2005, 5935, 115.		1
141	Conjugated Polyelectrolyte-Based Imaging and Monitoring of Protein Aggregation. , 2013, , 295-314.		1
142	Synthesis and Characterization of Novel Fluoro-glycosylated Porphyrins that can be Utilized as Theranostic Agents. <i>ChemistryOpen</i> , 2018, 7, 490-490.	1.9	1
143	Biosensing and -imaging with enantiomeric luminescent conjugated polythiophenes using single- and multiphoton excitation. , 2006, , .		0
144	Luminescent conjugated oligothiophenes: real time in vivo imaging of biomolecules. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
145	Frontispiece: Distinct Spacing Between Anionic Groups: An Essential Chemical Determinant for Achieving Thiophene-Based Ligands to Distinguish β -Amyloid or Tau Polymorphic Aggregates. Chemistry - A European Journal, 2015, 21, .	3.3	0
146	Transcranial detection of tauopathy in vivo in P301L mice with high-resolution large-field multifocal illumination fluorescence microscopy. Alzheimer's and Dementia, 2020, 16, e047238.	0.8	0
147	New prion strain generation through splenic replication. FASEB Journal, 2018, 32, 40.8.	0.5	0