

Yosuke Niko

List of Publications by Year in descending order

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32
papers

1,144
citations

471509

17
h-index

434195

31
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all docs

32
docs citations

32
times ranked

1617
citing authors

#	ARTICLE	IF	CITATIONS
1	Bright and photostable push-pull pyrene dye visualizes lipid order variation between plasma and intracellular membranes. <i>Scientific Reports</i> , 2016, 6, 18870.	3.3	137
2	Solvatochromic Pyrene Analogues of Prodan Exhibiting Extremely High Fluorescence Quantum Yields in Apolar and Polar Solvents. <i>Chemistry - A European Journal</i> , 2013, 19, 9760-9765.	3.3	129
3	Fluorescence Enhancement of Pyrene Chromophores Induced by Alkyl Groups through π - π Conjugation: Systematic Synthesis of Primary, Secondary, and Tertiary Alkylated Pyrenes at the 1, 3, 6, and 8 Positions and Their Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2013, 78, 3196-3207.	3.2	99
4	Fundamental photoluminescence properties of pyrene carbonyl compounds through absolute fluorescence quantum yield measurement and density functional theory. <i>Tetrahedron</i> , 2012, 68, 6177-6185.	1.9	80
5	Push-pull dioxaborine as fluorescent molecular rotor: far-red fluorogenic probe for ligand-receptor interactions. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3002-3009.	5.5	77
6	A novel pyrene-based two-photon active fluorescent dye efficiently excited and emitting in the β -tissue optical window (650-1100 nm) μ m. <i>Journal of Materials Chemistry B</i> , 2015, 3, 184-190.	5.8	70
7	1-, 3-, 6-, and 8-Tetrasubstituted Asymmetric Pyrene Derivatives with Electron Donors and Acceptors: High Photostability and Regioisomer-Specific Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2015, 80, 10794-10805.	3.2	67
8	Polarity Mapping of Cells and Embryos by Improved Fluorescent Solvatochromic Pyrene Probe. <i>Analytical Chemistry</i> , 2020, 92, 6512-6520.	6.5	56
9	Design of donor-acceptor geometry for tuning excited-state polarization: fluorescence solvatochromism of push-pull biphenyls with various torsional restrictions on their aryl-aryl bonds. <i>Tetrahedron</i> , 2014, 70, 7551-7559.	1.9	54
10	Pyrene-based Dyes that exhibit solvatochromism and high fluorescence brightness in apolar solvents and water. <i>RSC Advances</i> , 2014, 4, 36480.	3.6	49
11	Dark-Field Microscopic Detection of Bacteria using Bacteriophage-Immobilized SiO ₂ @AuNP Core-Shell Nanoparticles. <i>Analytical Chemistry</i> , 2019, 91, 12352-12357.	6.5	41
12	Additional Insights into Luminescence Process of Polycyclic Aromatic Hydrocarbons with Carbonyl Groups: Photophysical Properties of Secondary <i>N</i> -Alkyl and Tertiary <i>N,N</i> -Dialkyl Carboxamides of Naphthalene, Anthracene, and Pyrene. <i>Journal of Organic Chemistry</i> , 2012, 77, 3986-3996.	3.2	36
13	Polymer-Chain-Induced Tunable Luminescence Properties: Amphiphilic Poly(2-oxazoline)s Possessing a <i>N,N</i> -Dialkylpyrene-1-carboxamide Chromophore in the Side Chain. <i>Macromolecules</i> , 2012, 45, 2327-2337.	4.8	31
14	Synthesis, luminescence properties, and theoretical insights of <i>N</i> -alkyl- or <i>N,N</i> -dialkyl-pyrene-1-carboxamide. <i>Tetrahedron Letters</i> , 2011, 52, 4843-4847.	1.4	24
15	Disassembly-Driven Fluorescence Turn-on of Polymerized Micelles by Reductive Stimuli in Living Cells. <i>Chemistry - A European Journal</i> , 2014, 20, 16473-16477.	3.3	24
16	Aggregation-induced emission active D- π -A binaphthyl luminophore with dual-mode fluorescence. <i>RSC Advances</i> , 2014, 4, 33474.	3.6	24
17	Emerging solvatochromic push-pull dyes for monitoring the lipid order of biomembranes in live cells. <i>Journal of Biochemistry</i> , 2021, 170, 163-174.	1.7	24
18	Integrated Fluorescent Nanoprobe Design for High-Speed In Vivo Two-Photon Microscopic Imaging of Deep-Brain Vasculature in Mice. <i>Advanced Functional Materials</i> , 2021, 31, 2010698.	14.9	18

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19	Bright and two-photon active red fluorescent dyes that selectively move back and forth between the mitochondria and nucleus upon changing the mitochondrial membrane potential. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7396-7401.	5.8	15
20	An Azide-Tethered Cremophor® ELP Surfactant Allowing Facile Post-Surface Functionalization of Nanoemulsions. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 568-575.	3.2	15
21	Drug-Sponge Lipid Nanocarrier for in Situ Cargo Loading and Release Using Dynamic Covalent Chemistry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6573-6580.	13.8	11
22	Phase-selective staining of model and cell membranes, lipid droplets and lipoproteins with fluorescent solvatochromic pyrene probes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183470.	2.6	10
23	Synthesis and properties of thermotropic liquid-crystalline polyesters containing 9,10-diphenylanthracene moiety in the main chain. <i>Research on Chemical Intermediates</i> , 2013, 39, 403-414.	2.7	9
24	Synthesis and photophysical properties of a new push-pull pyrene dye with green-to-far-red emission and its application to human cellular and skin tissue imaging. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1641-1649.	5.8	9
25	Synthesis of highly soluble fluorescent π -extended 2-(2-thienyl)benzothiazole derivatives via oxidative cyclization of 2-thienylthioanilide as the key step. <i>Tetrahedron Letters</i> , 2013, 54, 7103-7106.	1.4	7
26	Highly lipophilic and solid emissive N-annulated perylene bisimide synthesis for facile preparation of bright and far-red excimer fluorescent nano-emulsions with large Stokes shift. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 16-21.	3.9	6
27	High-quality Fluorescence Imaging of the Human Acrosyngium Using a Transparency: Enhancing Technique and an Improved, Fluorescent Solvatochromic Pyrene Probe. <i>Acta Histochemica Et Cytochemica</i> , 2020, 53, 131-138.	1.6	6
28	Amphiphilic gels of solvatochromic fluorescent poly(2-oxazoline)s containing π -A pyrenes. <i>RSC Advances</i> , 2016, 6, 42962-42970.	3.6	5
29	New fluorescent three-dimensional and deep-imaging technique confirms a direct relationship between the acrosyngium and vesicles/pustules of palmoplantar pustulosis. <i>Journal of Dermatological Science</i> , 2021, 102, 130-132.	1.9	5
30	Differences in interaction lead to the formation of different types of insulin amyloid. <i>Scientific Reports</i> , 2022, 12, .	3.3	4
31	Drug-Sponge Lipid Nanocarrier for in Situ Cargo Loading and Release Using Dynamic Covalent Chemistry. <i>Angewandte Chemie</i> , 2021, 133, 6647-6654.	2.0	2
32	Nanoprobe Design: Integrated Fluorescent Nanoprobe Design for High-Speed In Vivo Two-Photon Microscopic Imaging of Deep Brain Vasculature in Mice (<i>Adv. Funct. Mater.</i> 20/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170138.	14.9	0