

Gil Tae Hwang

List of Publications by Year in descending order

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49
papers

1,583
citations

304368

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301761

39
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all docs

53
docs citations

53
times ranked

1258
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoinduced radical polymerization by methyl fluoresceins under visible light and the application to signal amplification of hydrogen peroxide. <i>Dyes and Pigments</i> , 2022, 200, 110163.	2.0	5
2	Expanding the effectiveness of screening. <i>Nature Chemistry</i> , 2021, 13, 515-517.	6.6	1
3	2-(Dimethylamino)fluorene-labeled 2'-deoxyuridine as a Turn-On Fluorescent Probe for i-motif DNA. <i>ChemistrySelect</i> , 2021, 6, 8361-8364.	0.7	0
4	Fluorene-labeled 2'-deoxyuridine as an Environmentally Sensitive Probe for Detection of an Abasic Site. <i>ChemistrySelect</i> , 2020, 5, 14480-14483.	0.7	0
5	The linkers in fluorene-labeled 2'-deoxyuridines affect fluorescence discriminating phenomena upon duplex formation. <i>RSC Advances</i> , 2020, 10, 18853-18859.	1.7	1
6	DNA-Encoded Library Screening as Core Platform Technology in Drug Discovery: Its Synthetic Method Development and Applications in DEL Synthesis. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 6578-6599.	2.9	106
7	Synthesis and Biological Evaluation of BODIPY-PF-543. <i>Molecules</i> , 2019, 24, 4408.	1.7	7
8	Photophysical Study of 2-(Fluorenyl)-1,2,3-triazole-labeled 2'-deoxyuridine and Its Oligonucleotide. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 78-83.	1.0	2
9	Catalytic enantioselective synthesis of carboxy-substituted 2-isoxazolines by cascade oxa-Michael-cyclization. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 657-664.	1.5	11
10	4,5-Bis(dimethylamino)fluorescein Exhibits pH-Dependent Emission Behavior Distinct From That of Fluorescein. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 150-154.	1.3	6
11	Record-high adsorption capacities of polyaniline-derived porous carbons for the removal of personal care products from water. <i>Chemical Engineering Journal</i> , 2018, 352, 71-78.	6.6	41
12	5-Bromo-4,5-bis(dimethylamino)fluorescein: Synthesis and Photophysical Studies. <i>Molecules</i> , 2018, 23, 219.	1.7	2
13	Synthesis of dansyl labeled sphingosine kinase 1 inhibitor. <i>Chemistry and Physics of Lipids</i> , 2018, 215, 29-33.	1.5	4
14	Single-Labeled Oligonucleotides Showing Fluorescence Changes upon Hybridization with Target Nucleic Acids. <i>Molecules</i> , 2018, 23, 124.	1.7	21
15	pH-Responsive quencher-free molecular beacon systems containing 2'-deoxyuridine units labeled with fluorene derivatives. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7165-7172.	1.5	11
16	Fluorescent Oligonucleotides Containing a 2-Ethynylfluorene- or 2-Ethynylfluorenone-labeled 2'-deoxyguanosine Unit: Fluorescence Changes upon Duplex Formation. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 1290-1297.	1.0	1
17	pH-sensitive fluorescent deoxyuridines labeled with 2-aminofluorene derivatives. <i>Tetrahedron</i> , 2016, 72, 5595-5601.	1.0	7
18	Synthesis and photophysical properties of 2'-deoxyguanosine derivatives labeled with fluorene and fluorenone units: toward excimer probes. <i>RSC Advances</i> , 2014, 4, 12012.	1.7	12

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19	Highly Efficient Quencher-Free Molecular Beacon Systems Containing 2-Ethynylidibenzofuran- and 2-Ethynylidibenzothiophene-Labeled 2-Deoxyuridine Units. <i>ChemBioChem</i> , 2013, 14, 1353-1362.	1.3	15
20	Synthesis and Photophysical Study of 2-Deoxyuridines Labeled with Fluorene Derivatives. <i>Molecules</i> , 2012, 17, 12061-12071.	1.7	16
21	Quencher-free linear beacon systems containing 2-ethynylfluorenone-labeled 2-deoxyuridine units. <i>Tetrahedron</i> , 2012, 68, 72-78.	1.0	18
22	Solution Structure, Mechanism of Replication, and Optimization of an Unnatural Base Pair. <i>Chemistry - A European Journal</i> , 2010, 16, 12650-12659.	1.7	75
23	The effects of unnatural base pairs and mismatches on DNA duplex stability and solvation. <i>Nucleic Acids Research</i> , 2009, 37, 4757-4763.	6.5	23
24	Efforts toward Developing Probes of Protein Dynamics: Vibrational Dephasing and Relaxation of Carbon-Deuterium Stretching Modes in Deuterated Leucine. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7991-7994.	1.2	26
25	Optimization of an Unnatural Base Pair toward Natural-Like Replication. <i>Journal of the American Chemical Society</i> , 2009, 131, 3246-3252.	6.6	117
26	Optimization of the Pyridyl Nucleobase Scaffold for Polymerase Recognition and Unnatural Base Pair Replication. <i>ChemBioChem</i> , 2008, 9, 2796-2799.	1.3	27
27	Discovery, Characterization, and Optimization of an Unnatural Base Pair for Expansion of the Genetic Alphabet. <i>Journal of the American Chemical Society</i> , 2008, 130, 2336-2343.	6.6	155
28	Unnatural Substrate Repertoire of A, B, and X Family DNA Polymerases. <i>Journal of the American Chemical Society</i> , 2008, 130, 14872-14882.	6.6	35
29	Polymerase Recognition and Stability of Fluoro-Substituted Pyridone Nucleobase Analogues. <i>ChemBioChem</i> , 2007, 8, 1606-1611.	1.3	11
30	Triad base pairs containing fluorene unit for quencher-free SNP typing. <i>Tetrahedron</i> , 2007, 63, 3538-3547.	1.0	50
31	Cholesterol-Linked Fluorescent Molecular Beacons with Enhanced Cell Permeability. <i>Bioconjugate Chemistry</i> , 2006, 17, 1151-1155.	1.8	30
32	Quencher-free molecular beacon systems with two pyrene units in the stem region. <i>Tetrahedron Letters</i> , 2006, 47, 4037-4039.	0.7	40
33	Efforts towards Expansion of the Genetic Alphabet: Pyridone and Methyl Pyridone Nucleobases. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4326-4329.	7.2	60
34	Substituent effects on the pairing and polymerase recognition of simple unnatural base pairs. <i>Nucleic Acids Research</i> , 2006, 34, 2037-2045.	6.5	60
35	Pyrene-labeled deoxyuridine and deoxyadenosine: fluorescent discriminating phenomena in their oligonucleotides. <i>Tetrahedron Letters</i> , 2005, 46, 1475-1477.	0.7	45
36	Synthesis and Photophysical Studies of Bis-enediynes as Tunable Fluorophores. <i>ChemInform</i> , 2004, 35, no.	0.1	0

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37	Fluorescent oligonucleotide incorporating 5-(1-ethynylpyrenyl)-2-deoxyuridine: sequence-specific fluorescence changes upon duplex formation. <i>Tetrahedron Letters</i> , 2004, 45, 3543-3546.	0.7	66
38	Fluorenyl-Conjugated Dendrimers Based on Bis(enediynyl)benzene Units. <i>Organic Letters</i> , 2004, 6, 2669-2672.	2.4	26
39	A Highly Discriminating Quencher-Free Molecular Beacon for Probing DNA. <i>Journal of the American Chemical Society</i> , 2004, 126, 6528-6529.	6.6	174
40	Synthesis and Photophysical Studies of Bis-enediynes as Tunable Fluorophores. <i>Journal of the American Chemical Society</i> , 2003, 125, 11241-11248.	6.6	107
41	Synthesis and binding studies of multiple calix[4]arenes. <i>Tetrahedron</i> , 2002, 58, 9019-9028.	1.0	29
42	Temperature effect on photoluminescent properties of red light-emitting materials based on Ru(II)-chelated complexes. <i>Thin Solid Films</i> , 2002, 417, 111-115.	0.8	7
43	Direct synthesis and luminescent properties of new silicon-based alternating copolymers. <i>Synthetic Metals</i> , 2001, 121, 1743-1744.	2.1	4
44	Novel Fluorophores: Efficient Synthesis and Photophysical Study. <i>Organic Letters</i> , 2001, 3, 2469-2471.	2.4	38
45	Multiple Cycloadditive Macrocyclization: An Efficient Method for Crown Ether-Type Cyclophanes, Bis-Calix[4]arenes and Silamacrocycles. <i>Synthesis</i> , 2001, 2001, 2191-2202.	1.2	16
46	Novel silicon-bridged macrocycles: efficient synthesis by quadruple cycloadditive macrocyclization and intramolecular nitrile oxide dimerization. <i>Tetrahedron Letters</i> , 2000, 41, 4177-4180.	0.7	17
47	Bis-calix[4]arenes with imine linkages: synthesis and binding study of thiopheno bis-calix[4]arene with viologens. <i>Tetrahedron Letters</i> , 2000, 41, 5917-5921.	0.7	24
48	Cyclophane-type bis-calix[4]arenes: efficient synthesis via quadruple cycloadditive macrocyclization and conformational study. <i>Tetrahedron Letters</i> , 2000, 41, 10055-10060.	0.7	14
49	Ultramacrocycle with Four Calix[4]arenes: Synthesis and X-Ray Crystal Structure of A Quadruple Calix[4]arene. <i>Synthetic Communications</i> , 2000, 30, 4205-4212.	1.1	5