

Bong Rae Cho

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156
papers

8,275
citations

48
h-index

88
g-index

163
ext. papers

8,754
ext. citations

7.4
avg, IF

6.13
L-index

#	Paper	IF	Citations
156	Small-molecule two-photon probes for bioimaging applications. <i>Chemical Reviews</i> , 2015 , 115, 5014-55	68.1	719
155	Two-photon probes for intracellular free metal ions, acidic vesicles, and lipid rafts in live tissues. <i>Accounts of Chemical Research</i> , 2009 , 42, 863-72	24.3	510
154	A ratiometric two-photon fluorescent probe reveals reduction in mitochondrial H ₂ S production in Parkinson's disease gene knockout astrocytes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9915-23	16.4	334
153	Ratiometric detection of mitochondrial thiols with a two-photon fluorescent probe. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11132-5	16.4	321
152	Two photon absorption properties of 1,3,5-tricyano-2,4,6-tris(styryl)benzene derivatives. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10039-45	16.4	289
151	A two-photon fluorescent probe for thiols in live cells and tissues. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1216-7	16.4	287
150	A highly selective colorimetric and ratiometric two-photon fluorescent probe for fluoride ion detection. <i>Organic Letters</i> , 2011 , 13, 1190-3	6.2	285
149	A mitochondrial-targeted two-photon probe for zinc ion. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5698-700	16.4	212
148	A two-photon fluorescent probe for lipid raft imaging: C-laurdan. <i>ChemBioChem</i> , 2007 , 8, 553-9	3.8	190
147	2,6-Bis[4-(p-dihexylaminostyryl)styryl]anthracene derivatives with large two-photon cross sections. <i>Organic Letters</i> , 2005 , 7, 323-6	6.2	190
146	Two-photon absorption and nonlinear optical properties of octupolar molecules. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10658-67	16.4	177
145	A small molecule two-photon probe for hydrogen sulfide in live tissues. <i>Chemical Communications</i> , 2012 , 48, 8395-7	5.8	171
144	Bis-1,4-(p-diarylaminostyryl)-2,5-dicyanobenzene derivatives with large two-photon absorption cross-sections. <i>Organic Letters</i> , 2003 , 5, 645-8	6.2	148
143	Environment-sensitive two-photon probe for intracellular free magnesium ions in live tissue. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3460-3	16.4	143
142	A two-photon fluorescent probe for ratiometric imaging of hydrogen peroxide in live tissue. <i>Chemical Communications</i> , 2011 , 47, 9618-9620	5.8	141
141	A mitochondria-localized two-photon fluorescent probe for ratiometric imaging of hydrogen peroxide in live tissue. <i>Chemical Communications</i> , 2012 , 48, 3518-20	5.8	139
140	Magnesium ion selective two-photon fluorescent probe based on a benzo[h]chromene derivative for in vivo imaging. <i>Journal of Organic Chemistry</i> , 2007 , 72, 2088-96	4.2	129

139	Two-photon fluorescent probes for metal ions. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 58-69	4.5	119
138	Two-photon fluorescent probes for intracellular free zinc ions in living tissue. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5167-70	16.4	119
137	Two-photon fluorescent turn-on probe for lipid rafts in live cell and tissue. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4246-7	16.4	112
136	Two-photon fluorescent probes for acidic vesicles in live cells and tissue. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2231-4	16.4	112
135	A two-photon fluorescent probe for calcium waves in living tissue. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7445-8	16.4	99
134	Two-photon absorption properties of alkynyl-conjugated pyrene derivatives. <i>Journal of Organic Chemistry</i> , 2008 , 73, 5127-30	4.2	96
133	Sodium-ion-selective two-photon fluorescent probe for in vivo imaging. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 364-7	16.4	95
132	Synthesis and Two-Photon Absorption Properties of 9,10-Bis(arylethynyl)anthracene Derivatives. <i>Chemistry of Materials</i> , 2004 , 16, 2783-2789	9.6	94
131	Nonlinear optical and two-photon absorption properties of 1,3,5-tricyano-2,4,6-tris(styryl)benzene-containing octupolar oligomers. <i>Chemistry - A European Journal</i> , 2002 , 8, 3907-16	4.8	93
130	Two-photon materials with large two-photon cross sections. Structure-property relationship. <i>Chemical Communications</i> , 2009 , 153-64	5.8	82
129	Triphenylamine derivatives with large two-photon cross-sections. <i>Organic Letters</i> , 2004 , 6, 1389-92	6.2	80
128	A highly sensitive two-photon fluorescent probe for mitochondrial zinc ions in living tissue. <i>Chemical Communications</i> , 2012 , 48, 4546-8	5.8	73
127	Measurement of pH values in human tissues by two-photon microscopy. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2673-6	16.4	72
126	Two-photon sensor for metal ions derived from azacrown ether. <i>Journal of Organic Chemistry</i> , 2004 , 69, 5749-51	4.2	72
125	Two-photon absorption properties of 2,6-bis(styryl)anthracene derivatives: effects of donor-acceptor substituents and the pi center. <i>Chemistry - A European Journal</i> , 2005 , 11, 4191-8	4.8	70
124	A two-photon excited luminescence of water-soluble rhodamine-platinum(II) complex: fluorescent probe specific for Hg ²⁺ detection in live cell. <i>Talanta</i> , 2010 , 83, 658-62	6.2	69
123	1,3,5-Tricyano-2,4,6-tris(vinyl)benzene derivatives with large second-order nonlinear optical properties. <i>Journal of the American Chemical Society</i> , 2001 , 123, 6421-2	16.4	68
122	Metal ion sensing novel calix[4]crown fluoroionophore with a two-photon absorption property. <i>Journal of Organic Chemistry</i> , 2006 , 71, 8016-22	4.2	67

121	Two-photon probe for Cu ^{II} with an internal reference: quantitative estimation of Cu ^{II} in human tissues by two-photon microscopy. <i>Analytical Chemistry</i> , 2014 , 86, 5353-9	7.8	66
120	First hyperpolarizabilities of 1,3,5-tricyanobenzene derivatives: origin of larger beta values for the octupoles than for the dipoles. <i>ChemPhysChem</i> , 2006 , 7, 206-12	3.2	66
119	Octupolar Crystals for Nonlinear Optics: 1,3,5-Trinitro-2,4,6-tris(styryl)benzene Derivatives. <i>Chemistry of Materials</i> , 2001 , 13, 1438-1440	9.6	66
118	Two-photon fluorescent probes for metal ions in live tissues. <i>Inorganic Chemistry</i> , 2014 , 53, 1794-803	5.1	65
117	Detection of mercury in fish organs with a two-photon fluorescent probe. <i>Chemical Communications</i> , 2010 , 46, 2388-90	5.8	64
116	Second-order nonlinear optical properties of octupolar molecules structure-property relationship. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7402		61
115	Improved method for measuring the first-order hyperpolarizability of organic NLO materials in solution by using the hyper-Rayleigh scattering technique. <i>Chemical Physics Letters</i> , 1996 , 261, 307-312	2.5	60
114	Dual-color imaging of sodium/calcium ion activities with two-photon fluorescent probes. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6786-9	16.4	59
113	Two-Photon Absorption and Second Hyperpolarizability of the Linear Quadrupolar Molecule. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 11033-11040	2.8	55
112	Quantitative imaging of molecular order in lipid membranes using two-photon fluorescence polarimetry. <i>Biophysical Journal</i> , 2009 , 97, 2854-62	2.9	50
111	Two-photon fluorescent probes for long-term imaging of calcium waves in live tissue. <i>Chemistry - A European Journal</i> , 2008 , 14, 2075-83	4.8	50
110	Dual-color imaging of magnesium/calcium ion activities with two-photon fluorescent probes. <i>Analytical Chemistry</i> , 2012 , 84, 8110-3	7.8	49
109	Design of molecular two-photon probes for in vivo imaging. 2H-Benzo[h]chromene-2-one derivatives. <i>Tetrahedron Letters</i> , 2007 , 48, 2791-2795	2	49
108	Fluorescent turn-on Zn ²⁺ sensing in aqueous and cellular media. <i>Sensors and Actuators B: Chemical</i> , 2011 , 160, 1489-1493	8.5	48
107	High Efficiency and Quadratic Nonlinear Optical Properties of a Fully Optimized 2D Octupolar Crystal Characterized by Nonlinear Microscopy. <i>Advanced Materials</i> , 2005 , 17, 196-200	24	48
106	A small-molecule two-photon probe for nitric oxide in living tissues. <i>Chemistry - A European Journal</i> , 2012 , 18, 12388-94	4.8	47
105	2,6-Bis(styryl)anthracene derivatives with large two-photon cross-sections. <i>Chemical Communications</i> , 2003 , 2618-9	5.8	47
104	A two-photon tracer for glucose uptake. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8027-31	16.4	45

103	Polycrystalline silicon produced by Ni ²⁺ -mediated crystallization of amorphous silicon in an electric field. <i>Journal of Applied Physics</i> , 2000 , 88, 3099-3101	2.5	41
102	Simultaneous imaging of mitochondria and lysosomes by using two-photon fluorescent probes. <i>Chemistry - A European Journal</i> , 2012 , 18, 15246-9	4.8	40
101	Two-photon LysoTrackers for in vivo imaging. <i>Journal of Organic Chemistry</i> , 2011 , 76, 8113-6	4.2	40
100	Novel azo octupoles with large first hyperpolarizabilities. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1030-1037		40
99	Octupolar Dendrimers with Large First Hyperpolarizability. <i>Advanced Functional Materials</i> , 2004 , 14, 64-70	5.6	37
98	Two-photon absorption properties of hexa-substituted benzene derivatives. Comparison between dipolar and octupolar molecules. <i>Chemical Communications</i> , 2009 , 7422-4	5.8	35
97	Molecular two-photon sensor for metal ions derived from bis(2-pyridyl)amine. <i>Chemical Physics Letters</i> , 2005 , 410, 312-315	2.5	35
96	First order hyperpolarizabilities of 2-[2-(p-diethylaminophenyl)vinyl]-furan derivatives. <i>Tetrahedron Letters</i> , 1998 , 39, 3167-3170	2	34
95	Synthesis and nonlinear optical properties of 1,3,5-methoxy-2,4,6-tris(styryl)benzene derivatives. <i>Organic Letters</i> , 2002 , 4, 1703-6	6.2	34
94	Base-promoted, imine-forming 1,2-elimination reactions. <i>Accounts of Chemical Research</i> , 1989 , 22, 211-217	7.3	33
93	Two-photon fluorescent probes for biomembrane imaging: effect of chain length. <i>ChemBioChem</i> , 2008 , 9, 2830-8	3.8	30
92	Two-photon dyes containing heterocyclic rings with enhanced photostability. <i>Chemistry - A European Journal</i> , 2005 , 11, 6386-91	4.8	29
91	Two-photon probes for biomedical applications. <i>BMB Reports</i> , 2013 , 46, 188-94	5.5	27
90	Reactions of Aryl Phenylacetates with Secondary Amines in MeCN. Structure-Reactivity Relationship in the Ketene-Forming Eliminations and Concurrent E2 and E1cb Mechanisms. <i>Journal of the American Chemical Society</i> , 1997 , 119, 691-697	16.4	25
89	First hyperpolarizabilities of hexa(ethynyl)benzene derivatives: effect of conjugation length. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2273		24
88	Two-photon probes for Zn ²⁺ ions with various dissociation constants. Detection of Zn ²⁺ ions in live cells and tissues by two-photon microscopy. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1234-40	4.5	23
87	First hyperpolarizabilities of triazine derivatives. Ab initio studies and Hammett correlation. <i>Journal of Physical Organic Chemistry</i> , 2004 , 17, 169-173	2.1	23
86	Dual-color imaging of cytosolic and mitochondrial zinc ions in live tissues with two-photon fluorescent probes. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 3406-12	3.9	22

- 85 Quantitative estimation of the total sulfide concentration in live tissues by two-photon microscopy. *Analytical Chemistry*, **2013**, 85, 9288-95 7.8 22
- 84 Measurement of the Nucleus Area and Nucleus/Cytoplasm and Mitochondria/Nucleus Ratios in Human Colon Tissues by Dual-Colour Two-Photon Microscopy Imaging. *Scientific Reports*, **2015**, 5, 18521 4.9 22
- 83 First hyperpolarizabilities of hexaazatriphenylene derivatives: Octupolar nonlinear optical molecules. *Tetrahedron Letters*, **1998**, 39, 9205-9208 2 22
- 82 A two-photon turn-on probe for lipid rafts with minimum internalization. *ChemBioChem*, **2011**, 12, 392-5 3.8 21
- 81 Mitochondrial oxidative phosphorylation system is recruited to detergent-resistant lipid rafts during myogenesis. *Proteomics*, **2010**, 10, 2498-515 4.8 21
- 80 Kinetics of Polymerization Reaction of Bis(tetrahydrothiopheno)-p-xylene Dichloride. *Macromolecules*, **1998**, 31, 2098-2106 5.5 21
- 79 Two-photon absorption properties of 9,10-disubstituted 2,6-bis(p-dihexylaminostyryl)anthracene derivatives. Effect of 9,10-substituents. *Journal of Fluorescence*, **2008**, 18, 403-11 2.4 19
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- 77 Elimination Reactions of (E)- and (Z)-Benzaldehyde O-Benzoyloximes. Transition State Differences for the Syn- and Anti-Eliminations Forming Nitriles. *Journal of Organic Chemistry*, **1998**, 63, 4685-4690 4.2 19
- 76 Detection of nickel in fish organs with a two-photon fluorescent probe. *Chemistry - A European Journal*, **2012**, 18, 1953-60 4.8 18
- 75 Elimination Reactions of (E)- and (Z)-Benzaldehyde O-Pivaloyloximes. Transition-State Differences for the Syn and Anti Eliminations Forming Nitriles. *Journal of Organic Chemistry*, **1997**, 62, 2230-2233 4.2 17
- 74 Eliminations forming carbon-heteroatom multiple bonds. Base-promoted dehydrochlorination of N-chlorobenzylmethylamines. *Journal of the American Chemical Society*, **1979**, 101, 3587-3591 16.4 17
- 73 Two-Photon Probes for Lysosomes and Mitochondria: Simultaneous Detection of Lysosomes and Mitochondria in Live Tissues by Dual-Color Two-Photon Microscopy Imaging. *Chemistry - an Asian Journal*, **2015**, 10, 2240-9 4.5 16
- 72 Mitochondrial-targeted two-photon fluorescent probes for zinc ions, H₂O₂, and thiols in living tissues. *Oxidative Medicine and Cellular Longevity*, **2013**, 2013, 323619 6.7 16
- 71 In vivo imaging of near-membrane calcium ions with two-photon probes. *Chemistry - an Asian Journal*, **2011**, 6, 2028-33 4.5 16
- 70 Octupolar Films with Significant Second-Harmonic Generation. *Advanced Materials*, **2007**, 19, 2107-2111 24 15
- 69 Ketene-forming eliminations from aryl phenylacetates promoted by R₂NH/R₂NH₂⁺ in aqueous MeCN. Mechanistic borderline between E₂ and E₁cb. *Journal of Organic Chemistry*, **2002**, 67, 5232-8 4.2 15
- 68 A Two-Photon Probe for Near-Membrane Zinc Ions. *Asian Journal of Organic Chemistry*, **2014**, 3, 1070-1073 3 14

67	Side-Chain Nonlinear Optical Polymers Containing a Styrylfuran-Based Chromophore with Large Electro-optic Properties. <i>Chemistry of Materials</i> , 1999 , 11, 1406-1408	9.6	14
66	Two-photon probes for biomedical imaging. <i>Tetrahedron</i> , 2015 , 71, 8219-8249	2.4	13
65	Synthesis and two-photon absorption property of phenylacetylene macrocycles. <i>Tetrahedron Letters</i> , 2003 , 44, 5179-5182	2	13
64	Elimination reactions of aryl phenylacetates promoted by R(2)NH/R(2)NH(2)(+) in 70 mol MeCN(aq). Effect Of the beta-phenyl group on the ketene-forming transition state. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1239-42	4.2	12
63	Mechanism of Debromination of 1-Aryl-1,2-dibromo-2-nitropropanes Promoted by Secondary Amines in Acetonitrile. <i>Journal of Organic Chemistry</i> , 1995 , 60, 2072-2076	4.2	12
62	Deoxygenation and desulfurization of organic compounds via transition metal atom cocondensation. <i>Journal of Organic Chemistry</i> , 1980 , 45, 3044-3053	4.2	12
61	Octupolar Films with Large Second Harmonic Generation and Electro-Optical Effects. <i>Advanced Functional Materials</i> , 2012 , 22, 788-796	15.6	11
60	Mechanism of Polymerization Reaction of 2,5-Bis(tetrahydrothiophenylmethyl)furan Dichloride. Effect of Aromatic Resonance Energy on the Polymerization of Bis(sulfonium) Salts. <i>Macromolecules</i> , 2000 , 33, 8167-8172	5.5	11
59	pH-responsive water soluble smart vesicles containing a bis(styryl)benzene derivative for two-photon microscopy imaging. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1977-1984		10
58	Two-photon absorption properties of cationic 1,4-bis(styryl)benzene derivative and its inclusion complexes with cyclodextrins. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 9684-90	3.4	10
57	First hyperpolarizabilities of 1,3,5-tricyano-2,4,6-tris(styryl)benzene derivatives: ab initio studies and Hammett correlation. <i>Journal of Physical Organic Chemistry</i> , 2005 , 18, 264-267	2.1	10
56	Eliminations from (E)-O-Arylbenzaldoximes promoted by tertiary amines in acetonitrile. Effects of aryl substituents, base strength, and leaving group upon the nitrile-forming transition state. <i>Journal of the American Chemical Society</i> , 1988 , 110, 6145-8	16.4	10
55	Two-Photon Probes for pH: Detection of Human Colon Cancer using Two-Photon Microscopy. <i>Analytical Chemistry</i> , 2017 , 89, 9830-9835	7.8	9
54	Elimination Reactions of (E)-2,4-Dinitrobenzaldehyde O-Aryloximes Promoted by RO-/ROH Buffers in EtOH. <i>Journal of Organic Chemistry</i> , 1998 , 63, 3006-3009	4.2	9
53	Mechanism of Polymerization Reaction of 2,5-Bis(tetrahydrothiophenylmethyl)thiophene Dichloride. <i>Macromolecules</i> , 1999 , 32, 3583-3589	5.5	9
52	Two-Photon Tracer for Human Epidermal Growth Factor Receptor-2: Detection of Breast Cancer in a Live Tissue. <i>Analytical Chemistry</i> , 2016 , 88, 9412-9418	7.8	9
51	Two-Photon Probes for Golgi Apparatus: Detection of Golgi Apparatus in Live Tissue by Two-Photon Microscopy. <i>Analytical Chemistry</i> , 2019 , 91, 6669-6674	7.8	8
50	Elimination reactions of (E)-2,4-dinitrobenzaldehyde O-benzoyloximes promoted by R2NH/R2NH2(+) in 70 mol % MeCN(aq). Change of reaction mechanism. <i>Journal of Organic Chemistry</i> , 2008 , 73, 9451-3	4.2	8

- 49 Elimination Reactions of (Z)-Thiophene- and (Z)-Furan-2-carbaldehyde O-Benzoyloximes. Effect of π -Aryl Group upon the Nitrile-Forming Anti Transition State. *Journal of Organic Chemistry*, **1998**, 63, 8304-8309 4.2 8
- 48 Elimination Reactions of (E)-2,4-Dinitrobenzaldehyde O-Benzoyloximes. *Journal of Organic Chemistry*, **1999**, 64, 8375-8378 4.2 8
- 47 Reactions of N-halo-N-methylbenzylamines with sodium methoxide-methanol and potassium tert-butoxide-tert-butyl alcohol. Effects of β -carbon substituent and base-solvent system upon the imine-forming transition state. *Journal of the American Chemical Society*, **1989**, 111, 2252-2257 16.4 8
- 46 Readily Accessible and Predictable Naphthalene-Based Two-Photon Fluorophore with Full Visible-Color Coverage. *Chemistry - A European Journal*, **2016**, 22, 14166-70 4.8 8
- 45 Detection of Cu(I) and Zn(II) ions in colon tissues by multi-photon microscopy: novel marker of antioxidant status of colon neoplasm. *Journal of Clinical Pathology*, **2012**, 65, 882-7 3.9 7
- 44 Elimination reactions of N-alkyl-N-chlorothenylamines promoted by MeONa-MeOH and Et(2)NH-MeCN. Effect of the beta-aryl group on the imine-forming transition state. *Journal of Organic Chemistry*, **2005**, 70, 5327-30 4.2 7
- 43 Reactions of N-(arylsulfonyl)-N-alkylbenzylamines with sodium methoxide-methanol. Steric effect on the structure of the imine-forming transition state. *Journal of the American Chemical Society*, **1991**, 113, 3920-3924 16.4 7
- 42 Reactions of N-chlorobenzylmethylamines with secondary amines in acetonitrile. Effect of base strength upon the imine-forming transition state. *Journal of Organic Chemistry*, **1986**, 51, 1320-1324 4.2 7
- 41 Two-photon probes for the endoplasmic reticulum: its detection in a live tissue by two-photon microscopy. *Chemical Communications*, **2020**, 56, 3657-3660 5.8 6
- 40 Measurement of pH Values in Human Tissues by Two-Photon Microscopy. *Angewandte Chemie*, **2012**, 124, 2727-2730 3.6 6
- 39 Ketene-forming elimination reactions from aryl thienylacetates promoted by R₂NH/R₂NH₂⁺ in 70 mol % MeCN(aq). Effect of the beta-aryl group. *Journal of Organic Chemistry*, **2007**, 72, 1098-103 4.2 6
- 38 First hyperpolarizabilities of dipolar, bis-dipolar, and octupolar molecules. *Chemical Physics Letters*, **2005**, 403, 68-71 2.5 6
- 37 Effect of structural variation within lipophilic N-(X)sulfonyl carbamoyl lariat ethers on the selectivity and efficiency of competitive alkali metal cation extraction into chloroform. *Analytical Chemistry*, **2002**, 74, 2177-83 7.8 6
- 36 Ketene-forming eliminations from aryl phenylacetates promoted by R₂NH in MeCN. Origin of the curved Hammett plot. *Perkin Transactions II RSC*, **2000**, 1419-1423 6
- 35 Orientation in base-promoted dehydrohalogenation of N-benzyl-N-chlorobutylamine. *Journal of Organic Chemistry*, **1979**, 44, 145-146 4.2 6
- 34 Octupolar molecules for nonlinear optics: from molecular design to crystals and films with large second-harmonic generation. *Chemical Record*, **2015**, 15, 132-42 6.6 5
- 33 Ketene-forming elimination reactions from aryl phenylacetates promoted by R₂NH in MeCN: effects of base-solvent and π -phenyl group. *Journal of Physical Organic Chemistry*, **2007**, 20, 685-689 2.1 5
- 32 First hyperpolarizabilities of dipolar photoconductive chromophores: an approach toward monolithic molecular materials for photorefractivity. *Chemical Physics*, **2000**, 256, 289-294 2.3 5

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30	Reaction of (E)-O-arylbenzaldoximes with sodium methoxide in methanol. Effect of leaving group upon nitrile-forming transition state. <i>Journal of the American Chemical Society</i> , 1992 , 114, 3425-3429	16.4	5
29	Reactions of (E)-O-arylbenzaldoximes with secondary amines in acetonitrile. Competition between E2 and SNAr reactions. <i>Journal of Organic Chemistry</i> , 1991 , 56, 5513-5517	4.2	5
28	Scope and limitation of label-free multiphoton microscopy and probe-labeled two-photon microscopy for the endomicroscopic diagnosis. <i>Scanning</i> , 2014 , 36, 462-4	1.6	4
27	Electro-optic effect in crystalline films of transverse planar octupolar symmetry. <i>Optics Express</i> , 2011 , 19, 7979-91	3.3	4
26	Measurement of two-photon absorption coefficient of dye molecules doped in polymer thin films based on ultrafast laser ablation. <i>Chemical Physics Letters</i> , 2006 , 427, 210-214	2.5	4
25	Structure and Unusual Substitution Reaction of Oligoether-Appended \square -Diketonato Strontium Complex. <i>Chemical Vapor Deposition</i> , 2003 , 9, 241-244		4
24	Ketene-forming eliminations from aryl bis(4Rchlorophenyl)acetates promoted by R ₂ NH-R ₂ NH ₂ ⁺ in aqueous MeCN. Change of mechanism. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 2734-8	3.9	4
23	Mechanism of Elimination from (1-Anilino-1-cyanoethyl)benzene Promoted by Sodium Methoxide in Methanol. <i>Journal of Organic Chemistry</i> , 1996 , 61, 5656-5658	4.2	4
22	Elimination reactions of (E)-O-pivaloylbenzaldoximes. <i>Journal of Organic Chemistry</i> , 1993 , 58, 3901-3904	4.2	4
21	Reactions of 1-Aryl-1,2-dibromo-2-nitropropanes with 2-Nitro-2-propyl Anion in DMSO. <i>Journal of Organic Chemistry</i> , 1994 , 59, 3681-3682	4.2	4
20	Reactions of N-chloro-N-alkylbenzylamines with amines in acetonitrile. Origin of steric effect in imine-forming elimination. <i>Journal of Organic Chemistry</i> , 1989 , 54, 2855-2858	4.2	4
19	Unusual regioselectivity in syn elimination from trans-2-chloro-3-fluoro-2,3-dihydrobenzofuran promoted by complex base. <i>Journal of Organic Chemistry</i> , 1987 , 52, 5494-5494	4.2	4
18	Reactions of N-halobenzylalkylamines with sodium methoxide in methanol. <i>Journal of Organic Chemistry</i> , 1985 , 50, 4943-4946	4.2	4
17	Reactions of 4-Nitrophenyl 2-Thiophenecarboxylates with R ₂ NH/R ₂ NH ₂ ⁺ in 20 mol % DMSO (aq). Effects of 5-Thienyl Substituent and Base Strength. <i>Bulletin of the Korean Chemical Society</i> , 2013 , 34, 2036-2040	1.2	4
16	First Hyperpolarizabilities of Stilbenes Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 370, 77-82		3
15	Reactions of N-(chlorobenzyl)alkylamines with sodium methoxide in methanol. Steric effects in elimination reactions. <i>Journal of Organic Chemistry</i> , 1987 , 52, 4752-4756	4.2	3
14	Reactions of N-(arylsulfonyl)-N-benzylmethylamines with sodium methoxide in methanol. <i>Journal of the American Chemical Society</i> , 1987 , 109, 8041-8044	16.4	3

- 13 Electrochemical Debromination of 1-Aryl-1,2-dibromo-2-nitropropanes in Dimethyl Sulfoxide. *Journal of Organic Chemistry*, **1995**, 60, 2077-2081 4.2 2
- 12 Elimination Reactions of Aryl Furylacetates Promoted by R₂NH-R₂NH₂+in 70 mol% MeCN(aq). Effects of π -Aryl on the Ketene-Forming Transition-State. *Bulletin of the Korean Chemical Society*, **2014**, 35, 2143-2147 1.2 2
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