

Bong Rae Cho

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Organelle-specific blue-emitting two-photon probes for calcium ions: Combination with green-emitting two-photon probe for simultaneous detection of proton ions.. <i>Talanta</i> , 2022 , 244, 123408 ^{6.2}		
155	Reactions of 4-Nitrophenyl 5-substituted Furan-2-carboxylates with R ₂ NH/R ₂ NH ₂ ⁺ in 20 mol% DMSO(aq): Effect of Aryl Group on the Acyl-Transfer Reaction. <i>Bulletin of the Korean Chemical Society</i> , 2021 , 42, 994-1000	1.2	
154	PyrPeg, a Blood-Brain-Barrier-Penetrating Two-Photon Imaging Probe, Selectively Detects Neuritic Plaques, Not Tau Aggregates. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 1801-1810	5.7	1
153	Two-photon probes for the endoplasmic reticulum: its detection in a live tissue by two-photon microscopy. <i>Chemical Communications</i> , 2020 , 56, 3657-3660	5.8	6
152	Reactions of 2,4-Dinitrophenyl 5-substituted-2-thiophenecarboxylates with R ₂ NH/R ₂ NH ₂ ⁺ in 20 Mol % DMSO(aq). Effects of 5-Thienyl Substituent and Leaving Group on the Reaction Mechanism. <i>Bulletin of the Korean Chemical Society</i> , 2019 , 40, 983-990	1.2	
151	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
150	Two-Photon Probe for TNF- α Assessment of the Transmembrane TNF- α Level in Human Colon Tissue by Two-Photon Microscopy. <i>Analytical Chemistry</i> , 2019 , 91, 15769-15776	7.8	
149	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
148	Elimination Reactions of Aryl Furylacetates Promoted by R ₂ NH in MeCN: Effects of Base Solvent and Δ -Aryl Group on the Ketene-forming Transition State. <i>Bulletin of the Korean Chemical Society</i> , 2017 , 38, 1306-1309	1.2	1
147	Elimination Reactions of (E)-2,4,6-Trinitrobenzaldehyde O-Benzoyloximes Promoted by R ₂ NH/R ₂ NH ₂ ⁺ in 70 mol% MeCN (aq). Effects of the Δ -Aryl Group and Leaving Group on Nitrile-Forming Transition States. <i>Bulletin of the Korean Chemical Society</i> , 2016 , 37, 871-876	1.2	1
146	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
145	Readily Accessible and Predictable Naphthalene-Based Two-Photon Fluorophore with Full Visible-Color Coverage. <i>Chemistry - A European Journal</i> , 2016 , 22, 14166-70	4.8	8
144	Small-molecule two-photon probes for bioimaging applications. <i>Chemical Reviews</i> , 2015 , 115, 5014-55	68.1	719
143	Two-photon probes for biomedical imaging. <i>Tetrahedron</i> , 2015 , 71, 8219-8249	2.4	13
142	Measurement of the Nucleus Area and Nucleus/Cytoplasm and Mitochondria/Nucleus Ratios in Human Colon Tissues by Dual-Colour Two-Photon Microscopy Imaging. <i>Scientific Reports</i> , 2015 , 5, 18521 ^{4.9}		22
141	Reactions of Aryl 5-substituted-2-Thiophenecarboxylates Promoted by 4-Z-C ₆ H ₄ O Δ 4-Z-C ₆ H ₄ OH in 20 mol % DMSO(aq). Effect of Nucleophile on Acyl-Transfer Reaction. <i>Bulletin of the Korean Chemical Society</i> , 2015 , 36, 2810-2814	1.2	1
140	Two-Photon Probes for Lysosomes and Mitochondria: Simultaneous Detection of Lysosomes and Mitochondria in Live Tissues by Dual-Color Two-Photon Microscopy Imaging. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2240-9	4.5	16

139	Octupolar molecules for nonlinear optics: from molecular design to crystals and films with large second-harmonic generation. <i>Chemical Record</i> , 2015 , 15, 132-42	6.6	5
138	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
137	A Two-Photon Probe for Near-Membrane Zinc Ions. <i>Asian Journal of Organic Chemistry</i> , 2014 , 3, 1070-1073	3.3	14
136	Two-photon fluorescent probes for metal ions in live tissues. <i>Inorganic Chemistry</i> , 2014 , 53, 1794-803	5.1	65
135	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
134	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
133	Elimination Reactions of Aryl Furfylacetates Promoted by R ₂ NH-R ₂ NH ₂ ⁺ in 70 mol% MeCN(aq). Effects of σ -Aryl on the Ketene-Forming Transition-State. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 2143-2147	1.2	2
132	Quantitative estimation of the total sulfide concentration in live tissues by two-photon microscopy. <i>Analytical Chemistry</i> , 2013 , 85, 9288-95	7.8	22
131	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
130	Mitochondrial-targeted two-photon fluorescent probes for zinc ions, H ₂ O ₂ , and thiols in living tissues. <i>Oxidative Medicine and Cellular Longevity</i> , 2013 , 2013, 323619	6.7	16
129	Eliminations from (E)-2,4-Dinitrobenzaldehyde O-Aryloximes Promoted by R ₃ N/R ₃ NH ⁺ in 70 mol% MeCN(aq). Effects of Leaving Group and Base-Solvent on the Nitrile-Forming Transition-State. <i>Bulletin of the Korean Chemical Society</i> , 2013 , 34, 1030-1034	1.2	1
128	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
127	Two-photon probes for biomedical applications. <i>BMB Reports</i> , 2013 , 46, 188-94	5.5	27
126	Detection of nickel in fish organs with a two-photon fluorescent probe. <i>Chemistry - A European Journal</i> , 2012 , 18, 1953-60	4.8	18
125	Octupolar Films with Large Second Harmonic Generation and Electro-Optical Effects. <i>Advanced Functional Materials</i> , 2012 , 22, 788-796	15.6	11
124	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
123	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
122	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

121	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
120	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
119	Dual-color imaging of magnesium/calcium ion activities with two-photon fluorescent probes. <i>Analytical Chemistry</i> , 2012 , 84, 8110-3	7.8	49
118	A small molecule two-photon probe for hydrogen sulfide in live tissues. <i>Chemical Communications</i> , 2012 , 48, 8395-7	5.8	171
117	Measurement of pH Values in Human Tissues by Two-Photon Microscopy. <i>Angewandte Chemie</i> , 2012 , 124, 2727-2730	3.6	6
116	Measurement of pH values in human tissues by two-photon microscopy. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2673-6	16.4	72
115	Detection of Cu(I) and Zn(II) ions in colon tissues by multi-photon microscopy: novel marker of antioxidant status of colon neoplasm. <i>Journal of Clinical Pathology</i> , 2012 , 65, 882-7	3.9	7
114	A mitochondrial-targeted two-photon probe for zinc ion. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5698-700	16.4	212
113	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
112	Electro-optic effect in crystalline films of transverse planar octupolar symmetry. <i>Optics Express</i> , 2011 , 19, 7979-91	3.3	4
111	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
110	Two-photon fluorescent probes for metal ions. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 58-69	4.5	119
109	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
108	In vivo imaging of near-membrane calcium ions with two-photon probes. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 2028-33	4.5	16
107	A two-photon turn-on probe for lipid rafts with minimum internalization. <i>ChemBioChem</i> , 2011 , 12, 392-53.8	3.8	21
106	Two-photon LysoTrackers for in vivo imaging. <i>Journal of Organic Chemistry</i> , 2011 , 76, 8113-6	4.2	40
105	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
104	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

103	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
102	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
101	Detection of mercury in fish organs with a two-photon fluorescent probe. <i>Chemical Communications</i> , 2010 , 46, 2388-90	5.8	64
100	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
99	Sodium-ion-selective two-photon fluorescent probe for in vivo imaging. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 364-7	16.4	95
98	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
97	Mitochondrial oxidative phosphorylation system is recruited to detergent-resistant lipid rafts during myogenesis. <i>Proteomics</i> , 2010 , 10, 2498-515	4.8	21
96	A two-photon tracer for glucose uptake. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8027-31	16.4	45
95	Quantitative imaging of molecular order in lipid membranes using two-photon fluorescence polarimetry. <i>Biophysical Journal</i> , 2009 , 97, 2854-62	2.9	50
94	Two-photon materials with large two-photon cross sections. Structure-property relationship. <i>Chemical Communications</i> , 2009 , 153-64	5.8	82
93	Second-order nonlinear optical properties of octupolar molecules structure-property relationship. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7402		61
92	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
91	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
90	Two-photon absorption properties of alkynyl-conjugated pyrene derivatives. <i>Journal of Organic Chemistry</i> , 2008 , 73, 5127-30	4.2	96
89	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
88	Elimination reactions of (E)-2,4-dinitrobenzaldehyde O-benzoyloximes promoted by R ₂ NH/R ₂ NH ₂ (+) in 70 mol % MeCN(aq). Change of reaction mechanism. <i>Journal of Organic Chemistry</i> , 2008 , 73, 9451-3	4.2	8
87	Two-photon absorption properties of 9,10-disubstituted 2,6-bis(p-dihexylaminostyryl)anthracene derivatives. Effect of 9,10-substituents. <i>Journal of Fluorescence</i> , 2008 , 18, 403-11	2.4	19
86	Two-photon fluorescent probes for biomembrane imaging: effect of chain length. <i>ChemBioChem</i> , 2008 , 9, 2830-8	3.8	30

85	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
84	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
83	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
82	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
81	Ketene-forming elimination reactions from aryl thienylacetates promoted by R ₂ NH/R ₂ NH ₂ ⁺ in 70 mol % MeCN(aq). Effect of the beta-aryl group. <i>Journal of Organic Chemistry</i> , 2007 , 72, 1098-103	4.2	6
80	A two-photon fluorescent probe for lipid raft imaging: C-laurdan. <i>ChemBioChem</i> , 2007 , 8, 553-9	3.8	190
79	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
78	A two-photon fluorescent probe for calcium waves in living tissue. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7445-8	16.4	99
77	Octupolar Films with Significant Second-Harmonic Generation. <i>Advanced Materials</i> , 2007 , 19, 2107-2111	24	15
76	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
75	Ketene-forming elimination reactions from aryl phenylacetates promoted by R ₂ NH in MeCN: effects of base-solvent and β -phenyl group. <i>Journal of Physical Organic Chemistry</i> , 2007 , 20, 685-689	2.1	5
74	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
73	First hyperpolarizabilities of hexa(ethynyl)benzene derivatives: effect of conjugation length. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2273		24
72	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
71	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
70	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
69	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. <i>Journal of Organic Chemistry</i> , 2005 , 70, 5327-30	4.2	7
68	First hyperpolarizabilities of dipolar, bis-dipolar, and octupolar molecules. <i>Chemical Physics Letters</i> , 2005 , 403, 68-71	2.5	6

67	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
66	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
65	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
64	Two-photon dyes containing heterocyclic rings with enhanced photostability. <i>Chemistry - A European Journal</i> , 2005 , 11, 6386-91	4.8	29
63	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
62	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
61	Octupolar Dendrimers with Large First Hyperpolarizability. <i>Advanced Functional Materials</i> , 2004 , 14, 64-70	5.6	37
60	Triphenylamine derivatives with large two-photon cross-sections. <i>Organic Letters</i> , 2004 , 6, 1389-92	6.2	80
59	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
58	Two-photon sensor for metal ions derived from azacrown ether. <i>Journal of Organic Chemistry</i> , 2004 , 69, 5749-51	4.2	72
57	Structure and Unusual Substitution Reaction of Oligoether-Appended π -Diketonato Strontium Complex. <i>Chemical Vapor Deposition</i> , 2003 , 9, 241-244		4
56	Synthesis and two-photon absorption property of phenylacetylene macrocycles. <i>Tetrahedron Letters</i> , 2003 , 44, 5179-5182	2	13
55	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
54	Novel azo octupoles with large first hyperpolarizabilities. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1030-1037		40
53	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
52	2,6-Bis(styryl)anthracene derivatives with large two-photon cross-sections. <i>Chemical Communications</i> , 2003 , 2618-9	5.8	47
51	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
50	Precursor polymers to poly(p-phenylene vinylene) and its heteroaromatic derivatives. Polymerization mechanism. <i>Progress in Polymer Science</i> , 2002 , 27, 307-355	29.6	19

49	Ketene-forming eliminations from aryl phenylacetates promoted by R ₂ NH/R ₂ NH ₂ ⁺ in aqueous MeCN. Mechanistic borderline between E ₂ and E ₁ cb. <i>Journal of Organic Chemistry</i> , 2002 , 67, 5232-8	4.2	15
48	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. <i>Analytical Chemistry</i> , 2002 , 74, 2177-83	7.8	6
47	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
46	First Hyperpolarizabilities of Stilbenes Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 370, 77-82		3
45	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
44	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
43	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
42	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
41	First hyperpolarizabilities of dipolar photoconductive chromophores: an approach toward monolithic molecular materials for photorefractivity. <i>Chemical Physics</i> , 2000 , 256, 289-294	2.3	5
40	Polycrystalline silicon produced by Ni ₃ Si ₂ mediated crystallization of amorphous silicon in an electric field. <i>Journal of Applied Physics</i> , 2000 , 88, 3099-3101	2.5	41
39	Ketene-forming eliminations from aryl phenylacetates promoted by R ₂ NH in MeCN. Origin of the curved Hammett plot. <i>Perkin Transactions II RSC</i> , 2000 , 1419-1423		6
38	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
37	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
36	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
35	Elimination Reactions of (E)-2,4-Dinitrobenzaldehyde O-Benzoyloximes. <i>Journal of Organic Chemistry</i> , 1999 , 64, 8375-8378	4.2	8
34	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
33	Mechanism of Polymerization Reaction of 2,5-Bis(tetrahydrothiophenylmethyl)thiophene Dichloride. <i>Macromolecules</i> , 1999 , 32, 3583-3589	5.5	9
32	First order hyperpolarizabilities of 2-[2-(p-diethylaminophenyl)vinyl]-furan derivatives. <i>Tetrahedron Letters</i> , 1998 , 39, 3167-3170	2	34

31	First hyperpolarizabilities of hexaazatriphenylene derivatives: Octupolar nonlinear optical molecules. <i>Tetrahedron Letters</i> , 1998 , 39, 9205-9208	2	22
30	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
29	Elimination Reactions of (Z)-Thiophene- and (Z)-Furan-2-carbaldehyde O-Benzoyloximes. Effect of β -Aryl Group upon the Nitrile-Forming Anti Transition State. <i>Journal of Organic Chemistry</i> , 1998 , 63, 8304-8309	4.2	8
28	Elimination Reactions of (E)- and (Z)-Benzaldehyde O-Benzoyloximes. Transition State Differences for the Syn- and Anti-Eliminations Forming Nitriles. <i>Journal of Organic Chemistry</i> , 1998 , 63, 4685-4690	4.2	19
27	Kinetics of Polymerization Reaction of Bis(tetrahydrothiopheno)-p-xylene Dichloride. <i>Macromolecules</i> , 1998 , 31, 2098-2106	5.5	21
26	Elimination Reactions of (E)- and (Z)-Benzaldehyde O-Pivaloyloximes. Transition-State Differences for the Syn and Anti Eliminations Forming Nitriles. <i>Journal of Organic Chemistry</i> , 1997 , 62, 2230-2233	4.2	17
25	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
24	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
23	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
22	Elimination reactions of (E)-O-p-nitrophenyl-2,4-dinitrobenzaloxime promoted by triethylamine in MeCN/H ₂ O. <i>Tetrahedron Letters</i> , 1995 , 36, 3193-3196	2	1
21	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
20	Electrochemical Debromination of 1-Aryl-1,2-dibromo-2-nitropropanes in Dimethyl Sulfoxide. <i>Journal of Organic Chemistry</i> , 1995 , 60, 2077-2081	4.2	2
19	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
18	Elimination reactions of (E)-O-pivaloylbenzaloximes. <i>Journal of Organic Chemistry</i> , 1993 , 58, 3901-3904	4.2	4
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16	Reaction of (E)-O-arylbenzaloximes 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
15	Reactions of (E)-O-arylbenzaloximes with secondary amines in acetonitrile. Competition between E2 and S _N Ar reactions. <i>Journal of Organic Chemistry</i> , 1991 , 56, 5513-5517	4.2	5
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