

Bongjin Moon

List of Publications by Year in descending order

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papers

2,331
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201385

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times ranked

3266
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#	ARTICLE	IF	CITATIONS
1	Structures of Ionic Liquids with Different Anions Studied by Infrared Vibration Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4735-4740.	1.2	253
2	Structures of ionic liquid-water mixtures investigated by IR and NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9591-9601.	1.3	195
3	Synthesis of Photocleavable Poly(styrene- <i>block</i> -ethylene oxide) and Its Self-Assembly into Nanoporous Thin Films. <i>Macromolecules</i> , 2009, 42, 455-458.	2.2	159
4	Synthesis and characterization of water soluble polypyrrole doped with functional dopants. <i>Synthetic Metals</i> , 2004, 143, 289-294.	2.1	122
5	A facile route to ketene-functionalized polymers for general materials applications. <i>Nature Chemistry</i> , 2010, 2, 207-212.	6.6	109
6	Enhancement of Electrochromic Contrast of Poly(3,4-Ethylenedioxythiophene) by Incorporating a Pendant Viologen. <i>Advanced Materials</i> , 2004, 16, 1712-1716.	11.1	79
7	Multicolored Electrochromism of a Poly{1,4-bis[2-(3,4-ethylenedioxy)thienyl]benzene} Derivative Bearing Viologen Functional Groups. <i>Advanced Functional Materials</i> , 2005, 15, 905-909.	7.8	71
8	Coupling Reactions of End- vs Mid-Functional Polymers. <i>Macromolecules</i> , 2004, 37, 2563-2571.	2.2	68
9	Ketene Functionalized Polyethylene: Control of Cross-Link Density and Material Properties. <i>Journal of the American Chemical Society</i> , 2010, 132, 14706-14709.	6.6	67
10	Gas-phase peptide sequencing by TEMPO-mediated radical generation. <i>Analyst</i> , 2009, 134, 1706.	1.7	64
11	Total Synthesis of (β)-Cylindrocyclophane A via a Double Horner-Emmons Macrocyclic Dimerization Event. <i>Journal of the American Chemical Society</i> , 2000, 122, 4982-4983.	6.6	62
12	Measuring Copolymer Formation from End-Functionalized Chains at a PS/PMMA Interface Using FRES and SEC. <i>Macromolecules</i> , 2001, 34, 200-205.	2.2	62
13	Donor-Acceptor-Donor-Type Liquid Crystal with a Pyridazine Core. <i>Organic Letters</i> , 2006, 8, 4699-4702.	2.4	56
14	Palladium(II)-catalyzed ortho-arylation via phosphate-group-directed C-H activation. <i>Tetrahedron</i> , 2013, 69, 5152-5159.	1.0	49
15	Disulfide bond cleavage in TEMPO-free radical initiated peptide sequencing mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2011, 46, 830-839.	0.7	43
16	Oxyanion Orientation in Anionic Oxy-Cope Rearrangements. <i>Journal of Organic Chemistry</i> , 1994, 59, 1444-1456.	1.7	41
17	Radical-driven peptide backbone dissociation tandem mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2015, 34, 116-132.	2.8	41
18	Morphology and photoluminescence of colloidal polypyrrole nanoparticles. <i>Synthetic Metals</i> , 2007, 157, 597-602.	2.1	36

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19	Ketene-Based Route to rigid Cyclobutanediol Monomers for the Replacement of BPA in High Performance Polyesters. <i>ACS Macro Letters</i> , 2012, 1, 1228-1232.	2.3	34
20	Synthesis and application of fluorescently labeled phthalic anhydride (PA) functionalized polymers by ATRP. <i>Polymer</i> , 2002, 43, 5501-5509.	1.8	33
21	Low-temperature ketene formation in materials chemistry through molecular engineering. <i>Chemical Science</i> , 2012, 3, 766-771.	3.7	33
22	Oxazopyridines and thiazopyridines as monoamine oxidase B inhibitors for the treatment of Parkinson's disease. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5480-5487.	1.4	33
23	Efficient Surface Neutralization and Enhanced Substrate Adhesion through Ketene Mediated Crosslinking and Functionalization. <i>Advanced Functional Materials</i> , 2013, 23, 1597-1602.	7.8	33
24	Observation of photoluminescence in polypyrrole micelles. <i>Synthetic Metals</i> , 2005, 150, 127-131.	2.1	32
25	Synthesis of a perylene diimide-viologen dyad (PDI-2V) and its electrochromism in a layer-by-layer self-assembled multilayer film with PEDOT:PSS. <i>Journal of Materials Chemistry</i> , 2012, 22, 13558.	6.7	32
26	One-Step Peptide Backbone Dissociations in Negative-Ion Free Radical Initiated Peptide Sequencing Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 7044-7051.	3.2	30
27	Reliable screening and confirmation of 156 multi-class illegal adulterants in dietary supplements based on extracted common ion chromatograms by ultra-high-performance liquid chromatography-quadrupole/time of flight-mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1491, 43-56.	1.8	29
28	Synthesis of end- and mid-Phthalic Anhydride Functional Polymers by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2001, 34, 7941-7951.	2.2	28
29	Discovery of 1-(3-(benzyloxy)pyridin-2-yl)-3-(2-(piperazin-1-yl)ethyl)urea: A new modulator for amyloid beta-induced mitochondrial dysfunction. <i>European Journal of Medicinal Chemistry</i> , 2017, 128, 56-69.	2.6	26
30	LC-MS/MS Software for Screening Unknown Erectile Dysfunction Drugs and Analogues: Artificial Neural Network Classification, Peak-Count Scoring, Simple Similarity Search, and Hybrid Similarity Search Algorithms. <i>Analytical Chemistry</i> , 2019, 91, 9119-9128.	3.2	25
31	Electrochemistry and electrochromism of a poly(cyclopentadithiophene) derivative with a viologen pendant. <i>Electrochimica Acta</i> , 2003, 48, 4127-4135.	2.6	24
32	Synthesis and reactive blending of amine and anhydride end-functional polyolefins. <i>Polymer</i> , 2004, 45, 4189-4201.	1.8	24
33	Design, synthesis, biological evaluation and molecular modelling of 2-(2-aryloxyphenyl)-1,4-dihydroisoquinolin-3(2H)-ones: A novel class of TSPO ligands modulating amyloid- β -induced mPTP opening. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 104, 366-381.	1.9	23
34	Sustainable production of reduced graphene oxide using elemental sulfur for multifunctional composites. <i>Composites Part B: Engineering</i> , 2019, 176, 107236.	5.9	20
35	Macrocyclic Lactam Synthesis via a Ring Expansion Reaction: Construction of the Cripowellin Skeleton. <i>Organic Letters</i> , 2005, 7, 1031-1034.	2.4	19
36	Nanoporous Bicontinuous Structures via Addition of Thermally-Stable Amphiphilic Nanoparticles within Block Copolymer Templates. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5659-5666.	4.0	19

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37	Synthesis of New Bis(amidine) Cobalt Catalysts and Their Application to Styrene Polymerization. <i>Organometallics</i> , 2014, 33, 1617-1622.	1.1	19
38	Anionic synthesis and detection of fluorescence-labeled polymers with a terminal anhydride group. <i>Journal of Polymer Science Part A</i> , 2000, 38, 2177-2185.	2.5	18
39	Characteristics of tantalum electrolytic capacitors using soluble polypyrrole electrolyte. <i>Journal of Power Sources</i> , 2003, 124, 338-342.	4.0	14
40	Aryl Biphenylmethylpiperazines as 5-HT ₇ Receptor Antagonists. <i>ChemMedChem</i> , 2013, 8, 1855-1864.	1.6	12
41	HIV Peptide-Mediated Binding Behaviors of Nanoparticles on a Lipid Membrane. <i>Langmuir</i> , 2017, 33, 2590-2595.	1.6	12
42	Practical synthesis of alkoxyamine initiators for living radical polymerization. <i>Macromolecular Research</i> , 2005, 13, 229-235.	1.0	11
43	Efficient Synthesis of Highly Functionalized Cyclic Aminimides. <i>Organic Letters</i> , 2005, 7, 3359-3361.	2.4	11
44	Discovery of piperidinyl aminopyrimidine derivatives as IKK-2 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3002-3006.	1.0	11
45	Crystalline Matrix of Mesoporous TiO ₂ Framework for Dye-Sensitized Solar Cell Application. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24902-24909.	1.5	11
46	Synthesis and biological evaluation of novel 3,4-diaryl lactam derivatives as triple reuptake inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5515-5518.	1.0	10
47	Design and synthesis of new mass tags for matrix-free laser desorption ionization mass spectrometry (LDI-MS) based on 6,11-dihydrothiochromeno[4,3-b]indole. <i>Tetrahedron</i> , 2016, 72, 5612-5619.	1.0	10
48	TEMPO-Assisted Free Radical-Initiated Peptide Sequencing Mass Spectrometry (FRIPS MS) in Q-TOF and Orbitrap Mass Spectrometers: Single-Step Peptide Backbone Dissociations in Positive Ion Mode. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 154-163.	1.2	10
49	Guanidination of lysine residue improves the sensitivity and facilitates the interpretation of free radical initiated peptide sequencing (FRIPS) mass spectrometry results. <i>International Journal of Mass Spectrometry</i> , 2015, 390, 110-117.	0.7	9
50	Electrochemical Deposition of a Pyrrole-1-yl Substituted Perylene Diimide for Photoluminescence and Electrochromism. <i>Journal of the Electrochemical Society</i> , 2004, 151, E80.	1.3	8
51	Bromine isotopic signature facilitates <i>de novo</i> sequencing of peptides in free radical-initiated peptide sequencing (FRIPS) mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2015, 50, 378-387.	0.7	8
52	Synthesis of telechelic anthraquinone-functionalized polybutadiene via ROMP and study of its photooxidation and UV crosslinking behaviors. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1249-1258.	2.5	8
53	Formation of a Perylenetetra-carboxylic Diimide Network Film by Post Electrochemical Treatment. <i>Langmuir</i> , 2006, 22, 9431-9435.	1.6	6
54	Careful investigation of the hydrosilylation of olefins at poly(ethylene glycol) chain ends and development of a new silyl hydride to avoid side reactions. <i>Journal of Polymer Science Part A</i> , 2018, 56, 527-536.	2.5	6

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55	Quantitative MALDI-TOF mass spectrometric analysis of biocidal polyhexamethylene guanidine (PHMG) oligomers in consumer products. <i>International Journal of Mass Spectrometry</i> , 2019, 435, 298-304.	0.7	6
56	Optical switching behavior of poly(9-alkoxyfluorene-phenylenevinylene) upon exposure to Lewis acid and base. <i>Reactive and Functional Polymers</i> , 2006, 66, 1506-1514.	2.0	5
57	Formation of insoluble perylenetetracarboxylic diimide films by electro- or photo-crosslinking of pyrrole units. <i>Chemical Communications</i> , 2006, , 69-71.	2.2	5
58	Anhydride-functionalized fullerene: a versatile precursor for fullerene-based materials. <i>Tetrahedron Letters</i> , 2008, 49, 5540-5543.	0.7	5
59	Small angle neutron scattering study on complex coacervate core micelles formed by oppositely charged poly(ethylene oxide-b-allyl glycidyl ether) block copolymer in water. <i>Polymer Bulletin</i> , 2016, 73, 2417-2425.	1.7	5
60	Fragmentation Pathways of Tadalafil and Its Analogues in Electrospray Ionization Tandem Mass Spectrometry. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 190-196.	1.0	5
61	Free Radical-Initiated Peptide Sequencing Mass Spectrometry for Phosphopeptide Post-translational Modification Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 538-547.	1.2	5
62	Tandem mass spectrometric analysis of isosorbide-1,4-cyclohexane-dicarboxylic acid polyester oligomer cations using ion-trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1913-1918.	0.7	4
63	TEMPO-Assisted Free-Radical-Initiated Peptide Sequencing Mass Spectrometry for Ubiquitin Ions: An Insight on the Gas-Phase Conformations. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 471-481.	1.2	4
64	Synthesis and Characterization of Diazonium Containing Block Copolymers via Controlled Ring Opening Metathesis Polymerization (ROMP) and the Subsequent Chemical Modification. <i>Macromolecular Symposia</i> , 2007, 249-250, 336-343.	0.4	3
65	Covalent Functionalization of FeCo/Graphitic Shell Nanocrystals via 1,3-Dipolar Cycloaddition. <i>ChemNanoMat</i> , 2018, 4, 132-139.	1.5	3
66	Pyridyl-urea Derivatives as Blockers of A β -induced mPTP Opening for Alzheimer's Disease. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 3887-3888.	1.0	3
67	Cyclodextrin-based reactive porogen for nanoporous ultra-low dielectrics. <i>Current Applied Physics</i> , 2011, 11, S313-S318.	1.1	2
68	Density Functional Theory (DFT) Study of Gas-phase O.C Bond Dissociation Energy of Models for o-TEMPO-Bz-C(O)-Peptide: A Model Study for Free Radical Initiated Peptide Sequencing. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 770-774.	1.0	2
69	Collisional Activation Dissociation Mass Spectrometry Studies of Oligosaccharides Conjugated with Na ⁺ -Encapsulated Dibenzo-18-Crown-6 Ether. <i>Mass Spectrometry Letters</i> , 2016, 7, 96-101.	0.5	2
70	New free radical-initiated peptide sequencing (FRIPS) mass spectrometry reagent with high conjugation efficiency enabling single-step peptide sequencing. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
71	Manganese-Doped Highly Ordered Mesoporous Silicate with High Efficiency for Oxidation Suppression. <i>Chemistry - A European Journal</i> , 2013, 19, 135-140.	1.7	1
72	(Biphenyl-3-ylmethyl)ethanamines as G protein-biased agonists of HT_{7R} . <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 73-77.	1.0	1

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73	Efficient Synthesis of Highly Functionalized Cyclic Aminimides.. ChemInform, 2005, 36, no.	0.1	0
74	Chemically Reactive Nanoparticle for Ultra-lowkApplications. Molecular Crystals and Liquid Crystals, 2006, 445, 167/[457]-175/[465].	0.4	0
75	Temperature-Triggered Functionalization of Polymers. , 2013, , 193-216.		0
76	Effects of alkali treatments on Ag nanowire transparent conductive films. Japanese Journal of Applied Physics, 2016, 55, 06JD03.	0.8	0