

# Bongjin Moon

## List of Publications by Citations

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73  
papers

2,044  
citations

26  
h-index

43  
g-index

79  
ext. papers

2,187  
ext. citations

5.2  
avg, IF

4.59  
L-index

#	Paper	IF	Citations
73	Structures of ionic liquids with different anions studied by infrared vibration spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 4735-40	3.4	231
72	Structures of ionic liquid-water mixtures investigated by IR and NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 9591-601	3.6	173
71	Synthesis of Photocleavable Poly(styrene-block-ethylene oxide) and Its Self-Assembly into Nanoporous Thin Films. <i>Macromolecules</i> , <b>2009</b> , 42, 455-458	5.5	148
70	Synthesis and characterization of water soluble polypyrrole doped with functional dopants. <i>Synthetic Metals</i> , <b>2004</b> , 143, 289-294	3.6	108
69	A facile route to ketene-functionalized polymers for general materials applications. <i>Nature Chemistry</i> , <b>2010</b> , 2, 207-12	17.6	102
68	Enhancement of Electrochromic Contrast of Poly(3,4-Ethylenedioxythiophene) by Incorporating a Pendant Viologen. <i>Advanced Materials</i> , <b>2004</b> , 16, 1712-1716	24	70
67	Multicolored Electrochromism of a Poly{1,4-bis[2-(3,4-ethylenedioxy)thienyl]benzene} Derivative Bearing Viologen Functional Groups. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 905-909	15.6	67
66	Ketene functionalized polyethylene: control of cross-link density and material properties. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 14706-9	16.4	65
65	Coupling Reactions of End- vs Mid-Functional Polymers. <i>Macromolecules</i> , <b>2004</b> , 37, 2563-2571	5.5	63
64	Measuring Copolymer Formation from End-Functionalized Chains at a PS/PMMA Interface Using FRES and SEC. <i>Macromolecules</i> , <b>2001</b> , 34, 200-205	5.5	62
63	Gas-phase peptide sequencing by TEMPO-mediated radical generation. <i>Analyst, The</i> , <b>2009</b> , 134, 1706-125		55
62	Donor-acceptor-donor-type liquid crystal with a pyridazine core. <i>Organic Letters</i> , <b>2006</b> , 8, 4699-702	6.2	52
61	Palladium(II)-catalyzed ortho -arylation via phosphate-group-directed C-H activation. <i>Tetrahedron</i> , <b>2013</b> , 69, 5152-5159	2.4	45
60	Total Synthesis of (1)-Cylindrocyclophane A via a Double Horner-Emmons Macrocyclic Dimerization Event. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 4982-4983	16.4	41
59	Disulfide bond cleavage in TEMPO-free radical initiated peptide sequencing mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2011</b> , 46, 830-9	2.2	37
58	Radical-driven peptide backbone dissociation tandem mass spectrometry. <i>Mass Spectrometry Reviews</i> , <b>2015</b> , 34, 116-32	11	35
57	Morphology and photoluminescence of colloidal polypyrrole nanoparticles. <i>Synthetic Metals</i> , <b>2007</b> , 157, 597-602	3.6	34

56	Synthesis and application of fluorescently labeled phthalic anhydride (PA) functionalized polymers by ATRP. <i>Polymer</i> , <b>2002</b> , 43, 5501-5509	3.9	32
55	Oxyanion Orientation in Anionic Oxy-Cope Rearrangements. <i>Journal of Organic Chemistry</i> , <b>1994</b> , 59, 1444-1456	4.1	32
54	Observation of photoluminescence in polypyrrole micelles. <i>Synthetic Metals</i> , <b>2005</b> , 150, 127-131	3.6	30
53	Efficient Surface Neutralization and Enhanced Substrate Adhesion through Ketene Mediated Crosslinking and Functionalization. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1597-1602	15.6	29
52	Oxazolopyridines and thiazolopyridines as monoamine oxidase B inhibitors for the treatment of Parkinson's disease. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 5480-7	3.4	28
51	Ketene-Based Route to rigid Cyclobutanediol Monomers for the Replacement of BPA in High Performance Polyesters. <i>ACS Macro Letters</i> , <b>2012</b> , 1, 1228-1232	6.6	27
50	Low-temperature ketene formation in materials chemistry through molecular engineering. <i>Chemical Science</i> , <b>2012</b> , 3, 766-771	9.4	27
49	One-step peptide backbone dissociations in negative-ion free radical initiated peptide sequencing mass spectrometry. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 7044-51	7.8	27
48	Synthesis of a perylenediimide-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> , <b>2012</b> , 22, 13558		26
47	Synthesis of end- and mid-Phthalic Anhydride Functional Polymers by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , <b>2001</b> , 34, 7941-7951	5.5	26
46	Synthesis and reactive blending of amine and anhydride end-functional polyolefins. <i>Polymer</i> , <b>2004</b> , 45, 4189-4201	3.9	23
45	Electrochemistry and electrochromism of a poly(cyclopentadithiophene) derivative with a viologen pendant. <i>Electrochimica Acta</i> , <b>2003</b> , 48, 4127-4135	6.7	23
44	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> , <b>2017</b> , 128, 56-69	6.8	19
43	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> , <b>2017</b> , 1584, 48-55	4.5	18
42	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- $\beta$ -induced mPTP opening. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 104, 366-381	5.1	18
41	Synthesis of New Bis(amidine)Cobalt Catalysts and Their Application to Styrene Polymerization. <i>Organometallics</i> , <b>2014</b> , 33, 1617-1622	3.8	18
40	Macrocyclic lactam synthesis via a ring expansion reaction: construction of the cripowellin skeleton. <i>Organic Letters</i> , <b>2005</b> , 7, 1031-4	6.2	18
39	Anionic synthesis and detection of fluorescence-labeled polymers with a terminal anhydride group. <i>Journal of Polymer Science Part A</i> , <b>2000</b> , 38, 2177-2185	2.5	16

38	Nanoporous bicontinuous structures via addition of thermally-stable amphiphilic nanoparticles within block copolymer templates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5659-66	9.5	15
37	Characteristics of tantalum electrolytic capacitors using soluble polypyrrole electrolyte. <i>Journal of Power Sources</i> , <b>2003</b> , 124, 338-342	8.9	13
36	Sustainable production of reduced graphene oxide using elemental sulfur for multifunctional composites. <i>Composites Part B: Engineering</i> , <b>2019</b> , 176, 107236	10	12
35	Aryl biphenyl-3-ylmethylpiperazines as 5-HT7 receptor antagonists. <i>ChemMedChem</i> , <b>2013</b> , 8, 1855-64	3.7	12
34	Practical synthesis of alkoxyamine initiators for living radical polymerization. <i>Macromolecular Research</i> , <b>2005</b> , 13, 229-235	1.9	11
33	HIV Peptide-Mediated Binding Behaviors of Nanoparticles on a Lipid Membrane. <i>Langmuir</i> , <b>2017</b> , 33, 2590-2595	4	10
32	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> , <b>2019</b> , 91, 9119-9128	7.8	10
31	Crystalline Matrix of Mesoporous TiO <sub>2</sub> Framework for Dye-Sensitized Solar Cell Application. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 24902-24909	3.8	9
30	Discovery of piperidinyl aminopyrimidine derivatives as IKK-2 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 3002-6	2.9	9
29	Efficient synthesis of highly functionalized cyclic aminimides. <i>Organic Letters</i> , <b>2005</b> , 7, 3359-61	6.2	9
28	Electrochemical Deposition of a Pyrrole-1-yl Substituted Perylene Diimide for Photoluminescence and Electrochromism. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, E80	3.9	8
27	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> , <b>2016</b> , 72, 5612-5619	2.4	8
26	Synthesis and biological evaluation of novel 3,4-diaryl lactam derivatives as triple reuptake inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 5515-8	2.9	7
25	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> , <b>2017</b> , 28, 154-163	3.5	7
24	Bromine isotopic signature facilitates de novo sequencing of peptides in free-radical-initiated peptide sequencing (FRIPS) mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2015</b> , 50, 378-87	2.2	7
23	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> , <b>2015</b> , 390, 110-117	1.9	6
22	Formation of a perylenetetra-carboxylic diimide network film by post electrochemical treatment. <i>Langmuir</i> , <b>2006</b> , 22, 9431-5	4	6
21	Synthesis of telechelic anthraquinone-functionalized polybutadiene via ROMP and study of its photo-oxidation and UV crosslinking behaviors. <i>Journal of Polymer Science Part A</i> , <b>2018</b> , 56, 1249-1258	2.5	5

20	Anhydride-functionalized fullerene: a versatile precursor for fullerene-based materials. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 5540-5543	2	5
19	Optical switching behavior of poly(9-alkoxyfluorene-phenylenevinylene) upon exposure to Lewis acid and base. <i>Reactive and Functional Polymers</i> , <b>2006</b> , 66, 1506-1514	4.6	5
18	Formation of insoluble perylenetetracarboxylic diimide films by electro- or photo-crosslinking of pyrrole units. <i>Chemical Communications</i> , <b>2006</b> , 69-71	5.8	5
17	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> , <b>2016</b> , 73, 2417-2425	2.4	5
16	Quantitative MALDI-TOF mass spectrometric analysis of biocidal polyhexamethylene guanidine (PHMG) oligomers in consumer products. <i>International Journal of Mass Spectrometry</i> , <b>2019</b> , 435, 298-304 <sup>1.9</sup>		5
15	Fragmentation Pathways of Tadalafil and Its Analogues in Electrospray Ionization Tandem Mass Spectrometry. <i>Bulletin of the Korean Chemical Society</i> , <b>2018</b> , 39, 190-196	1.2	4
14	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> , <b>2018</b> , 56, 527-536	2.5	4
13	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> , <b>2013</b> , 27, 1913-8	2.2	4
12	Covalent Functionalization of FeCo/Graphitic Shell Nanocrystals via 1,3-Dipolar Cycloaddition. <i>ChemNanoMat</i> , <b>2018</b> , 4, 132-139	3.5	3
11	Cyclodextrin-based reactive porogen for nanoporous ultra-low dielectrics. <i>Current Applied Physics</i> , <b>2011</b> , 11, S313-S318	2.6	2
10	Synthesis and Characterization of Diazonium Containing Block Copolymers via Controlled Ring Opening Metathesis Polymerization (ROMP) and the Subsequent Chemical Modification. <i>Macromolecular Symposia</i> , <b>2007</b> , 249-250, 336-343	0.8	2
9	Pyridyl-urea Derivatives as Blockers of Aβ-Induced mPTP Opening for Alzheimer's Disease. <i>Bulletin of the Korean Chemical Society</i> , <b>2012</b> , 33, 3887-3888	1.2	2
8	Collisional Activation Dissociation Mass Spectrometry Studies of Oligosaccharides Conjugated with Na <sup>+</sup> -Encapsulated Dibenzo-18-Crown-6 Ether. <i>Mass Spectrometry Letters</i> , <b>2016</b> , 7, 96-101		2
7	Free Radical-Initiated Peptide Sequencing Mass Spectrometry for Phosphopeptide Post-translational Modification Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 538-547	3.5	2
6	Manganese-doped highly ordered mesoporous silicate with high efficiency for oxidation suppression. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 135-40	4.8	1
5	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> , <b>2014</b> , 35, 770-774	1.2	1
4	Effects of alkali treatments on Ag nanowire transparent conductive films. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 06JD03	1.4	
3	Temperature-Triggered Functionalization of Polymers <b>2013</b> , 193-216		

- 2 Chemically Reactive Nanoparticle for Ultra-lowk Applications. *Molecular Crystals and Liquid Crystals*, **2006**, 445, 167/[457]-175/[465] 0.5
- 1 N-(Biphenyl-3-ylmethyl)ethanamines as G protein-biased agonists of 5-HT7R. *Bulletin of the Korean Chemical Society*, 1.2