

# Young-Wun Kim

## List of Publications by Year in descending order

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37  
papers

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citations

567281

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501196

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37  
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37  
docs citations

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times ranked

1101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyurethane microcapsules for self-healing paint coatings. RSC Advances, 2014, 4, 16214-16223.	3.6	115
2	Corrosion Inhibition Properties of Triazine Derivatives Containing Carboxylic Acid and Amine Groups in 1.0 M HCl Solution. Industrial & Engineering Chemistry Research, 2013, 52, 10880-10889.	3.7	78
3	Renewable Polyurethane Microcapsules with Isosorbide Derivatives for Self-Healing Anticorrosion Coatings. Industrial & Engineering Chemistry Research, 2013, 52, 15541-15548.	3.7	68
4	Effect of the individual and combined use of cardanol-based plasticizers and epoxidized soybean oil on the properties of PVC. Polymer Degradation and Stability, 2018, 147, 1-11.	5.8	64
5	Renewable malic acid-based plasticizers for both PVC and PLA polymers. Journal of Industrial and Engineering Chemistry, 2020, 88, 148-158.	5.8	51
6	Facile and eco-friendly extraction of cellulose nanocrystals via electron beam irradiation followed by high-pressure homogenization. Green Chemistry, 2018, 20, 2596-2610.	9.0	50
7	Modification of soybean oil for intermediates by epoxidation, alcoholysis and amidation. Korean Journal of Chemical Engineering, 2008, 25, 474-482.	2.7	43
8	Microencapsulation of the triazole derivative for self-healing anticorrosion coatings. New Journal of Chemistry, 2014, 38, 4409.	2.8	34
9	Tunable softening and toughening of individualized cellulose nanofibers-polyurethane urea elastomer composites. Carbohydrate Polymers, 2017, 159, 125-135.	10.2	33
10	Sustainable poly( $\mu$ -decalactone)- $\sim$ poly(L-lactide) multiarm star copolymer architectures for thermoplastic elastomers with fixed molar mass and block ratio. Polymer, 2017, 112, 306-317.	3.8	27
11	Multiblock Thermoplastic Elastomers Derived from Biodiesel, Poly(propylene glycol), and $\epsilon$ -Lactide. ACS Sustainable Chemistry and Engineering, 2017, 5, 8148-8160.	6.7	22
12	Effects of the addition of dimer acid alkyl esters on the properties of ethyl cellulose. Carbohydrate Polymers, 2015, 121, 284-294.	10.2	20
13	Feasibility of unsaturated fatty acid feedstocks as green alternatives in bio-oil refinery. Biofuels, Bioproducts and Biorefining, 2019, 13, 690-722.	3.7	20
14	Thermoset elastomers covalently crosslinked by hard nanodomains of triblock copolymers derived from carvomenthene and lactide: tunable strength and hydrolytic degradability. Polymer Chemistry, 2019, 10, 1245-1257.	3.9	18
15	Synthesis and Rust Preventing Properties of Dodecyl Succinate Derivatives Containing Triazole Groups. Industrial & Engineering Chemistry Research, 2012, 51, 9669-9678.	3.7	17
16	Effects of the Chain Length of Tris(carboxyalkylamino)triazine on Corrosion Inhibition Properties. Bulletin of the Korean Chemical Society, 2015, 36, 346-355.	1.9	14
17	Quantitative analysis of cyclic dimer fatty acid content in the dimerization product by proton NMR spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 402-407.	3.9	13
18	Selective Syntheses and Properties of Anionic Surfactants Derived from Isosorbide. Journal of Surfactants and Detergents, 2018, 21, 817-826.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Fatty Acid Alkyl Esters as Feedstocks for the Enzymatic Synthesis of Alkyl Methacrylates and Polystyrene-co-alkyl Methacrylates for use as Cold Flow Improvers in Diesel Fuels. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2011, 88, 1727-1736.	1.9	10
20	Toughened and hydrophobically modified polyamide 11 copolymers with dimer acids derived from waste vegetable oil. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47174.	2.6	10
21	Thermoplastic Superelastomers Based on Poly(isobutylene)- <i>graft</i> -Poly( <i>l</i> -lactide) Copolymers: Enhanced Thermal Stability, Tunable Tensile Strength, and Gas Barrier Property. <i>Macromolecules</i> , 2020, 53, 2503-2515.	4.8	10
22	Polybutylene terephthalate modified with dimer acid methyl ester derived from fatty acid methyl esters and its use as a hot-melt adhesive. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48474.	2.6	9
23	Tangible plasticization/filler effects of sodium salts of dimer acids on the mechanical properties of styrene ionomers. <i>Journal of Applied Polymer Science</i> , 2013, 129, 2443-2450.	2.6	8
24	Bond reactivity and antioxidant effect on the autoxidation of soybean oil. <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 419-424.	5.8	7
25	Synergetic and antagonistic role of natural antioxidant in the autoxidation of soybean oil. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 537-542.	5.8	7
26	Effects of Na-sulfopropyl groups on the mechanical properties and morphology of polystyrene-co-methacrylate ionomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1043-1053.	2.1	7
27	Effect of fatty acid-based anionic surfactants on the emulsion properties of self-emulsifying poly(ethylene-co-acrylic acid) waxes. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 71, 393-401.	5.8	6
28	Effects of Hard Segment Length on the Mechanical Properties of Poly(PA11-co-DA) Periodic Copolymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4538-4550.	6.7	6
29	Effects of Styrene Ionomers on the Dispersion of Asphaltenes in Crude Heavy Oil. <i>Energy &amp; Fuels</i> , 2021, 35, 19351-19361.	5.1	5
30	Enhancement of the Dispersion of Asphaltenes in Heavy Crude Oil by the Addition of Poly(Butylene) Terephthalate. <i>Journal of Applied Polymer Science</i> , 2019, 143, 47174.	1.9	3
31	Dual effects of fatty acid salt on the mechanical properties and morphology of styrene-based ionomers. <i>Polymer Bulletin</i> , 2018, 75, 2071-2083.	3.3	3
32	Synthesis and antiwear properties of dicarboxylic acid derivatives containing dialkyl dithiophosphate groups. <i>Lubrication Science</i> , 2019, 31, 103-112.	2.1	3
33	Surface properties of urethane coating containing perfluorinated additives. <i>Journal of Industrial and Engineering Chemistry</i> , 2008, 14, 752-758.	5.8	2
34	Comparison of the mechanical properties of styrene-based ionomers containing either crown ether or pentaethylene glycol with those of underneutralized ionomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1358-1367.	2.1	2
35	Syntheses and properties of new photo-responsive gemini surfactants containing azobenzene group. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127149.	4.7	2
36	An Efficient Synthesis of Mono-substituted Benzyl Ferrocene Derivatives. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 32-35.	1.9	1

#	ARTICLE	IF	CITATIONS
37	Cover Image, Volume 13, Issue 3. Biofuels, Bioproducts and Biorefining, 2019, 13, i-i.	3.7	0