

Jungkyu K Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Photoinduced radical polymerization by methyl fluoresceins under visible light and the application to signal amplification of hydrogen peroxide. <i>Dyes and Pigments</i> , 2022, 200, 110163.	3.7	5
2	Photoinitiated Free-Radical Polymerization of 4,5,6,7-Tetrahalogenated Fluoresceins. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2413-2416.	3.3	3
3	Non-Biofouling Performance and Binding Capabilities of Amylose Film Coated on Glass Surface. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1191-1194.	1.9	1
4	Naked-eye detection of Hg(II) ions by visible light-induced polymerization initiated by a Hg(II)-selective photoredox catalyst. <i>Polymer Chemistry</i> , 2021, 12, 970-974.	3.9	8
5	Binding Capability and Non-biofouling Efficacy of Poly[2-(methacryloyloxy)ethyl 4-pentynoate-co-oligo(ethylene Glycol) Methacrylate] Films on Gold Surfaces. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 223-226.	1.9	3
6	Biochip Performances of Agarose, Poly(Oligo(Ethylene Glycol) Methacrylate), and Poly(2-Hydroxyethyl Methacrylate) Film on Glass Surfaces. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5138-5141.	0.9	1
7	Synthetic Strategies for Δ^9 -Cannabidiol and Its Structural Analogs. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3749-3762.	3.3	28
8	Solid-phase extraction of nerve agent degradation products using poly[(2-(methacryloyloxy)ethyl)trimethylammonium chloride] thin films. <i>Talanta</i> , 2019, 197, 500-508.	5.5	8
9	Surface Functionalization of Plastic Surfaces with Non-Biofouling Agarose Film to Develop a Chip-Based Platform. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4778-4781.	0.9	1
10	Zinc (II), palladium (II) and cadmium (II) complexes containing 4-methoxy-N-(pyridin-2-ylmethylene) aniline derivatives: Synthesis, characterization and methyl methacrylate polymerization. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4797.	3.5	17
11	The heavy-atom effect on xanthene dyes for photopolymerization by visible light. <i>Polymer Chemistry</i> , 2019, 10, 5737-5742.	3.9	13
12	Protein-Patterning on Functionalized, Non-Biofouling Poly[N-acryloxysuccinimide-co-oligo(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 263-269.	2.4	7
13	Frontispiece: Cell-Surface Engineering for Advanced Cell Therapy. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
14	Stability of Agarose Film on Glass Slides under Biochemically Relevant Conditions. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 1109-1112.	1.9	1
15	Cell-Surface Engineering for Advanced Cell Therapy. <i>Chemistry - A European Journal</i> , 2018, 24, 15725-15743.	3.3	24
16	Systematic Study of Functionalizable, Non-Biofouling Agarose Films with Protein and Cellular Patterns on Glass Slides. <i>Chemistry - an Asian Journal</i> , 2017, 12, 846-852.	3.3	8
17	Synthesis and <i>In Vitro/In Vivo</i> Evaluation of Gd-Complex Utilizing Dendritic Ligands as a Magnetic Resonance Contrast Agent. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5818-5821.	0.9	2
18	A Facile Method for Detection of Substituted Salicylic Acids Using Pyrenesulfonamide-Terminated Self-Assembled Monolayers on Silicon Oxide Surfaces. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 748-751.	1.9	0

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19	Backfilling-Free Strategy for Biopatterning on Intrinsically Dual-Functionalized Poly[2-Aminoethyl Methacrylate]-Oligo(Ethylene Glycol) Methacrylate] Films. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2057-2064.	3.3	7
20	Preparation of fluorescein-functionalized electrospun fibers coated with TiO ₂ and gold nanoparticles for visible-light-induced photocatalysis. <i>Materials Chemistry and Physics</i> , 2015, 163, 213-218.	4.0	10
21	Direct Patterning and Biofunctionalization of a Large-Area Pristine Graphene Sheet. <i>Chemistry - an Asian Journal</i> , 2015, 10, 568-571.	3.3	9
22	Immobilization of Antibody on a Cyclic Olefin Copolymer Surface with Functionalizable, Non-Biofouling Poly[Oligo(Ethylene Glycol) Methacrylate]. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 1767-1770.	0.9	3
23	Non-Biofouling Polymeric Thin Films on Solid Substrates. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 1231-1252.	0.9	32
24	Balancing the Initiation and Molecular Recognition Capabilities of Eosin Macroinitiators of Polymerization-Based Signal Amplification Reactions. <i>Macromolecular Rapid Communications</i> , 2014, 35, 981-986.	3.9	16
25	Evaluating the sensitivity of hybridization-based epigenotyping using a methyl binding domain protein. <i>Analyst</i> , 2014, 139, 3695-3701.	3.5	23
26	Binding behaviors of protein on spatially controlled poly[oligo(ethylene glycol) methacrylate] brushes grafted from mixed self-assembled monolayers on gold. <i>Chemical Communications</i> , 2014, 50, 5291.	4.1	16
27	Surface-Initiated, Reversible Polymerization from Surface-Fethered Oligonucleotides by Enzymatic Processes. <i>Chemistry - an Asian Journal</i> , 2013, 8, 908-911.	3.3	0
28	Polymeric Functionalization of Cyclic Olefin Copolymer Surfaces with Nonbiofouling Poly(oligo(Ethylene Glycol) Methacrylate). <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 568-571.	2.7	15
29	Systematic Study of Fluorescein-Functionalized Macrophotoinitiators for Colorimetric Bioassays. <i>Biomacromolecules</i> , 2012, 13, 1136-1143.	5.4	34
30	In Situ Hetero End-Functionalized Polythiophene and Subsequent Click-Chemistry With DNA. <i>Macromolecular Rapid Communications</i> , 2012, 33, 938-942.	3.9	29
31	Syntheses of Organic Molecule-DNA Hybrid Structures. <i>ACS Nano</i> , 2011, 5, 2067-2074.	14.6	34
32	Micrometer-sized DNA-Single-Fluorophore-DNA Supramolecule: Synthesis and Single-Molecule Characterization. <i>Small</i> , 2009, 5, 2418-2423.	10.0	12
33	Synthesis of DNA-Organic Molecule-DNA Triblock Oligomers Using the Amide Coupling Reaction and Their Enzymatic Amplification. <i>Journal of the American Chemical Society</i> , 2008, 130, 12854-12855.	13.7	27
34	Surface-Initiated, Ring-Opening Metathesis Polymerization: Formation of Diblock Copolymer Brushes and Solvent-Dependent Morphological Changes. <i>Langmuir</i> , 2007, 23, 6761-6765.	3.5	49
35	Surface-Initiated, Atom Transfer Radical Polymerization of Oligo(ethylene glycol) Methyl Ether Methacrylate and Subsequent Click Chemistry for Bioconjugation. <i>Biomacromolecules</i> , 2007, 8, 744-749.	5.4	132
36	Gold-Catalyzed Cyanosilylation Reaction: Homogeneous and Heterogeneous Pathways. <i>Chemistry - A European Journal</i> , 2007, 13, 6351-6358.	3.3	52

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37	In-Plane Enyne Metathesis and Subsequent Diels-Alder Reactions on Self-Assembled Monolayers. <i>Langmuir</i> , 2005, 21, 10311-10315.	3.5	10
38	Silica/Poly(1,5-dioxepan-2-one) Hybrid Nanoparticles by Direct-Surface-Initiated Polymerization. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1510-1513.	3.9	26
39	Grafting Nitrilotriacetic Groups onto Carboxylic Acid-Terminated Self-Assembled Monolayers on Gold Surfaces for Immobilization of Histidine-Tagged Proteins. <i>Journal of Physical Chemistry B</i> , 2004, 108, 7665-7673.	2.6	79
40	Reactivity of Acetylenyl-Terminated Self-Assembled Monolayers on Gold: Triazole Formation. <i>Langmuir</i> , 2004, 20, 3844-3847.	3.5	149
41	Reactivity of Vinyl-Terminated Self-Assembled Monolayers on Gold: Olefin Cross-Metathesis Reactions. <i>Langmuir</i> , 2003, 19, 8141-8143.	3.5	49
42	Surface-initiated, ring-opening polymerization of p-dioxanone from gold and silicon oxide surfaces. <i>Journal of Materials Chemistry</i> , 2003, 13, 2910.	6.7	55
43	Dibromorhodamine-based photoredox catalysis under visible light for the colorimetric detection of Hg(II) ion. <i>Bulletin of the Korean Chemical Society</i> , 0, , .	1.9	0