Jungkyu K Lee

List of Publications by Year in descending order

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		516710	434195
43	998	16	31
papers	citations	h-index	g-index

46	46	46	1307
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reactivity of Acetylenyl-Terminated Self-Assembled Monolayers on Gold:Â Triazole Formation. Langmuir, 2004, 20, 3844-3847.	3.5	149
2	Surface-Initiated, Atom Transfer Radical Polymerization of Oligo(ethylene glycol) Methyl Ether Methacrylate and Subsequent Click Chemistry for Bioconjugation. Biomacromolecules, 2007, 8, 744-749.	5.4	132
3	Grafting Nitrilotriacetic Groups onto Carboxylic Acid-Terminated Self-Assembled Monolayers on Gold Surfaces for Immobilization of Histidine-Tagged Proteins. Journal of Physical Chemistry B, 2004, 108, 7665-7673.	2.6	79
4	Surface-initiated, ring-opening polymerization of p-dioxanone from gold and silicon oxide surfaces. Journal of Materials Chemistry, 2003, 13, 2910.	6.7	55
5	Gold-Catalyzed Cyanosilylation Reaction: Homogeneous and Heterogeneous Pathways. Chemistry - A European Journal, 2007, 13, 6351-6358.	3.3	52
6	Reactivity of Vinyl-Terminated Self-Assembled Monolayers on Gold:Â Olefin Cross-Metathesis Reactions. Langmuir, 2003, 19, 8141-8143.	3.5	49
7	Surface-Initiated, Ring-Opening Metathesis Polymerization:â€‰ Formation of Diblock Copolymer Brushes and Solvent-Dependent Morphological Changes. Langmuir, 2007, 23, 6761-6765.	3.5	49
8	Syntheses of Organic Moleculeâ^'DNA Hybrid Structures. ACS Nano, 2011, 5, 2067-2074.	14.6	34
9	Systematic Study of Fluorescein-Functionalized Macrophotoinitiators for Colorimetric Bioassays. Biomacromolecules, 2012, 13, 1136-1143.	5.4	34
10	Non-Biofouling Polymeric Thin Films on Solid Substrates. Journal of Nanoscience and Nanotechnology, 2014, 14, 1231-1252.	0.9	32
11	In Situ Hetero Endâ€Functionalized Polythiophene and Subsequent â€œClickâ€•Chemistry With DNA. Macromolecular Rapid Communications, 2012, 33, 938-942.	3.9	29
12	Synthetic Strategies for (â^')â€Cannabidiol and Its Structural Analogs. Chemistry - an Asian Journal, 2019, 14, 3749-3762.	3.3	28
13	Synthesis of DNAâ^'Organic Moleculeâ^'DNA Triblock Oligomers Using the Amide Coupling Reaction and Their Enzymatic Amplification. Journal of the American Chemical Society, 2008, 130, 12854-12855.	13.7	27
14	Silica/Poly(1,5-dioxepan-2-one) Hybrid Nanoparticles byâ€œDirectâ€•Surface-Initiated Polymerization. Macromolecular Rapid Communications, 2004, 25, 1510-1513.	3.9	26
15	Cellâ€Surface Engineering for Advanced Cell Therapy. Chemistry - A European Journal, 2018, 24, 15725-15743.	3.3	24
16	Evaluating the sensitivity of hybridization-based epigenotyping using a methyl binding domain protein. Analyst, The, 2014, 139, 3695-3701.	3.5	23
17	Zinc (II), palladium (II) and cadmium (II) complexes containing 4â€methoxyâ€Nâ€(pyridinâ€2â€ylmethylene) aniline derivatives: Synthesis, characterization and methyl methacrylate polymerization. Applied Organometallic Chemistry, 2019, 33, e4797.	3.5	17
18	Balancing the Initiation and Molecular Recognition Capabilities of Eosin Macroinitiators of Polymerizationâ€Based Signal Amplification Reactions. Macromolecular Rapid Communications, 2014, 35, 981-986.	3.9	16

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19	Binding behaviors of protein on spatially controlled poly[oligo(ethylene glycol) methacrylate] brushes grafted from mixed self-assembled monolayers on gold. Chemical Communications, 2014, 50, 5291.	4.1	16
20	Polymeric Functionalization of Cyclic Olefin Copolymer Surfaces with Nonbiofouling Poly(oligo(Ethylene Glycol) Methacrylate). Asian Journal of Organic Chemistry, 2013, 2, 568-571.	2.7	15
21	The heavy-atom effect on xanthene dyes for photopolymerization by visible light. Polymer Chemistry, 2019, 10, 5737-5742.	3.9	13
22	Micrometerâ€sized DNAâ€“Singleâ€Fluorophoreâ€“DNA Supramolecule: Synthesis and Singleâ€Molecule Characterization. Small, 2009, 5, 2418-2423.	10.0	12
23	In-Plane Enyne Metathesis and Subsequent Dielsâ^'Alder Reactions on Self-Assembled Monolayers. Langmuir, 2005, 21, 10311-10315.	3.5	10
24	Preparation of fluorescein-functionalized electrospun fibers coated with TiO2 and gold nanoparticles for visible-light-induced photocatalysis. Materials Chemistry and Physics, 2015, 163, 213-218.	4.0	10
25	Direct Patterning and Biofunctionalization of a Largeâ€Area Pristine Graphene Sheet. Chemistry - an Asian Journal, 2015, 10, 568-571.	3.3	9
26	Systematic Study of Functionalizable, Nonâ€Biofouling Agarose Films with Protein and Cellular Patterns on Glass Slides. Chemistry - an Asian Journal, 2017, 12, 846-852.	3.3	8
27	Solid-phase extraction of nerve agent degradation products using poly[(2-(methacryloyloxy)ethyl)trimethylammonium chloride] thin films. Talanta, 2019, 197, 500-508.	5.5	8
28	Naked-eye detection of Hg(<scp>ii</scp>) ions by visible light-induced polymerization initiated by a Hg(<scp>ii</scp>)-selective photoredox catalyst. Polymer Chemistry, 2021, 12, 970-974.	3.9	8
29	Backfillingâ€Free Strategy for Biopatterning on Intrinsically Dualâ€Functionalized Poly[2â€Aminoethyl Methacrylateâ€coâ€Oligo(Ethylene Glycol) Methacrylate] Films. Chemistry - an Asian Journal, 2016, 11, 2057-2064.	3.3	7
30	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
31	Photoinduced radical polymerization by methyl fluoresceins under visible light and the application to signal amplification of hydrogen peroxide. Dyes and Pigments, 2022, 200, 110163.	3.7	5
32	Immobilization of Antibody on a Cyclic Olefin Copolymer Surface with Functionalizable, Non-Biofouling Poly[Oligo(Ethylene Glycol) Methacrylate]. Journal of Nanoscience and Nanotechnology, 2015, 15, 1767-1770.	0.9	3
33	Binding Capability and Nonâ€“biofouling Efficacy of Poly[2â€(methacryloyloxy)ethylâ€4â€pentynoateâ€coâ€oligo(ethylene Glycol) Methacrylate] Films on Gold Surfaces. Bulletin of the Korean Chemical Society, 2020, 41, 223-226.	1.9	3
34	Photoinitiated Freeâ€Radical Polymerization of 4,5,6,7â€Tetrahalogenated Fluoresceins. Chemistry - an Asian Journal, 2021, 16, 2413-2416.	3.3	3
35	Synthesis and In Vitro/In Vivo Evaluation of Gd-Complex Utilizing Dendritic Ligands as a Magnetic Resonance Contrast Agent. Journal of Nanoscience and Nanotechnology, 2017, 17, 5818-5821.	0.9	2
36	Stability of Agarose Film on Glass Slides under Biochemically Relevant Conditions. Bulletin of the Korean Chemical Society, 2018, 39, 1109-1112.	1.9	1

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37	Surface Functionalization of Plastic Surfaces with Non-Biofouling Agarose Film to Develop a Chip-Based Platform. Journal of Nanoscience and Nanotechnology, 2019, 19, 4778-4781.	0.9	1
38	Nonâ€Biofouling Performance and Binding Capabilities of Amylose Film Coated on Glass Surface. Bulletin of the Korean Chemical Society, 2021, 42, 1191-1194.	1.9	1
39	Biochip Performances of Agarose, Poly(Oligo(Ethylene Glycol) Methacrylate), and Poly(2-Hydroxyethyl Methacrylate) Film on Glass Surfaces. Journal of Nanoscience and Nanotechnology, 2020, 20, 5138-5141.	0.9	1
40	Surfaceâ€Initiated, Reversible Polymerization from Surfaceâ€Tethered Oligonucleotides by Enzymatic Processes. Chemistry - an Asian Journal, 2013, 8, 908-911.	3.3	0
41	A Facile Method for Detection of Substituted Salicylic Acids Using Pyrenesulfonamideâ€Terminated Selfâ€Assembled Monolayers on Silicon Oxide Surfaces. Bulletin of the Korean Chemical Society, 2016, 37, 748-751.	1.9	0
42	Frontispiece: Cell-Surface Engineering for Advanced Cell Therapy. Chemistry - A European Journal, 2018, 24, .	3.3	0
43	Dibromorhodamineâ€based photoredox catalysis under visible light for the colorimetric detection of Hg(<scp>II</scp>) ion. Bulletin of the Korean Chemical Society, 0, , .	1.9	0