

# Chang-Keun Lim

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55 papers	1,865 citations	23 h-index	42 g-index
59 ext. papers	2,114 ext. citations	10.7 avg, IF	4.69 L-index

#	Paper	IF	Citations
55	Photonics and optoelectronics using nano-structured hybrid perovskite media and their optical cavities. <i>Physics Reports</i> , <b>2019</b> , 795, 1-51	27.7	262
54	Nanophotosensitizers toward advanced photodynamic therapy of Cancer. <i>Cancer Letters</i> , <b>2013</b> , 334, 176-87	9.9	205
53	Conjugated polymer nanoparticles for biomedical in vivo imaging. <i>Chemical Communications</i> , <b>2010</b> , 46, 1617-9	5.8	150
52	Dye/peroxalate aggregated nanoparticles with enhanced and tunable chemiluminescence for biomedical imaging of hydrogen peroxide. <i>ACS Nano</i> , <b>2012</b> , 6, 6759-66	16.7	141
51	Chemiluminescence-Generating Nanoreactor Formulation for Near-Infrared Imaging of Hydrogen Peroxide and Glucose Level in vivo. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2644-2648	15.6	109
50	Dye-Condensed Biopolymeric Hybrids: Chromophoric Aggregation and Self-Assembly toward Fluorescent Bionanoparticles for Near Infrared Bioimaging. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 5819-5825	9.6	81
49	Phthalocyanine-aggregated polymeric nanoparticles as tumor-homing near-infrared absorbers for photothermal therapy of cancer. <i>Theranostics</i> , <b>2012</b> , 2, 871-9	12.1	77
48	Rational design for enhancing inflammation-responsive in vivo chemiluminescence via nanophotonic energy relay to near-infrared AIE-active conjugated polymer. <i>Biomaterials</i> , <b>2016</b> , 84, 111-118	15.6	60
47	Gadolinium-coordinated elastic nanogels for in vivo tumor targeting and imaging. <i>Biomaterials</i> , <b>2013</b> , 34, 6846-52	15.6	53
46	Conjugated polymer/photochromophore binary nanococktails: bistable photoswitching of near-infrared fluorescence for in vivo imaging. <i>Advanced Materials</i> , <b>2013</b> , 25, 5574-80	24	52
45	Remote Optically Controlled Modulation of Catalytic Properties of Nanoparticles through Reconfiguration of the Inorganic/Organic Interface. <i>ACS Nano</i> , <b>2016</b> , 10, 9470-9477	16.7	43
44	Tuning solid-state fluorescence to the near-infrared: a combinatorial approach to discovering molecular nanoprobe for biomedical imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8881-8	9.5	37
43	Dramatic Enhancement of Quantum Cutting in Lanthanide-Doped Nanocrystals Photosensitized with an Aggregation-Induced Enhanced Emission Dye. <i>Nano Letters</i> , <b>2018</b> , 18, 4922-4926	11.5	32
42	Iodinated photosensitizing chitosan: self-assembly into tumor-homing nanoparticles with enhanced singlet oxygen generation. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 1022-8	6.3	31
41	Biolighted Nanotorch Capable of Systemic Self-Delivery and Diagnostic Imaging. <i>ACS Nano</i> , <b>2015</b> , 9, 9906-9917	11.7	30
40	Concentration and pH-modulated dual fluorescence in self-assembled nanoparticles of phototautomerizable biopolymeric amphiphile. <i>Dyes and Pigments</i> , <b>2011</b> , 90, 284-289	4.6	30
39	Organelle specific imaging in live cells and immuno-labeling using resonance Raman probe. <i>Biomaterials</i> , <b>2015</b> , 53, 25-31	15.6	29

38	Heavy-atomic construction of photosensitizer nanoparticles for enhanced photodynamic therapy of cancer. <i>Small</i> , <b>2011</b> , 7, 112-8	11	28
37	Highly Fluorescent and Color-Tunable Exciplex Emission from Poly(N-vinylcarbazole) Film Containing Nanostructured Supramolecular Acceptors. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2746-2753	15.6	27
36	Manipulating Magneto-Optic Properties of a Chiral Polymer by Doping with Stable Organic Biradicals. <i>Nano Letters</i> , <b>2016</b> , 16, 5451-5	11.5	25
35	Resonance Raman Probes for Organelle-Specific Labeling in Live Cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 28483	4.9	25
34	Triggering nanoparticle surface ligand rearrangement via external stimuli: light-based actuation of biointerfaces. <i>Nanoscale</i> , <b>2015</b> , 7, 13638-45	7.7	24
33	Self-cleaning membranes for water purification by co-deposition of photo-mobile 4,4'-azodianiline and bio-adhesive polydopamine. <i>Journal of Membrane Science</i> , <b>2018</b> , 554, 164-174	9.6	24
32	Chemistry, Functionalization, and Applications of Recent Monoelemental Two-Dimensional Materials and Their Heterostructures. <i>Chemical Reviews</i> , <b>2021</b> ,	68.1	23
31	Optical Actuation of Inorganic/Organic Interfaces: Comparing Peptide-Azobenzene Ligand Reconfiguration on Gold and Silver Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 1050-60	8.5	22
30	Squaraine-Doped Functional Nanoprobes: Lipophilically Protected Near-Infrared Fluorescence for Bioimaging. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2786-2793	15.6	21
29	Synthesis and Photoisomerization Characteristics of a 2,4,4'-Substituted Azobenzene Tethered to the Side Chains of Polymethacrylamide. <i>Macromolecules</i> , <b>2006</b> , 39, 3217-3223	5.5	21
28	Experimental Study on Hydration Heat Control of Mass Concrete by Vertical Pipe Cooling Method. <i>Journal of Asian Architecture and Building Engineering</i> , <b>2015</b> , 14, 657-662	1	15
27	Plasmon-enhanced two-photon-induced isomerization for highly-localized light-based actuation of inorganic/organic interfaces. <i>Nanoscale</i> , <b>2016</b> , 8, 4194-202	7.7	14
26	Passivation engineering for hysteresis-free mixed perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2020</b> , 215, 110648	6.4	14
25	Modulation of Surface Energy Transfer Cascade for Reversible Photoluminescence pH Sensing. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 8121-8128	9.6	13
24	Doubly resonant sum frequency spectroscopy of mixed photochromic isomers on surfaces reveals conformation-specific vibronic effects. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 114704	3.9	13
23	Enhanced fatigue resistance of suppressed hysteresis in perovskite solar cells by an organic crosslinker. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 176, 30-35	6.4	13
22	Prediction of concrete adiabatic temperature rise characteristic by semi-adiabatic temperature rise test and FEM analysis. <i>Construction and Building Materials</i> , <b>2016</b> , 125, 679-689	6.7	12
21	Organic Solvent and Surfactant Free Fluorescent Organic Nanoparticles by Laser Ablation of Aggregation-Induced Enhanced Emission Dyes. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800164	8.1	12

20	Rational Design of Inflammation-Responsive Inflatable Nanogels for Ultrasound Molecular Imaging. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 2905-2912	9.6	11
19	Optical Control of Nanoparticle Catalysis Influenced by Photoswitch Positioning in Hybrid Peptide Capping Ligands. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 33640-33651	9.5	11
18	Can the Morphology of Biconcave Metal Sulfide Nanoplatelets Be Preserved during Cation Exchange?. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5706-5712	9.6	10
17	Self-deprotonation and colorization of 1,3-bis(dicyanomethylidene)indan in polar media: a facile route to a minimal polymethine dye for NIR fluorescence imaging. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 8699-704	4.8	10
16	Interlayer-Sensitized Linear and Nonlinear Photoluminescence of Quasi-2D Hybrid Perovskites Using Aggregation-Induced Enhanced Emission Active Organic Cation Layers. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1909375	15.6	8
15	Toward a modular multi-material nanoparticle synthesis and assembly strategy via bionanocombinatorics: bifunctional peptides for linking Au and Ag nanomaterials. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 30845-30856	3.6	7
14	Fluorogenic nanoreactor assembly with boosted sensing kinetics for timely imaging of cellular hydrogen peroxide. <i>Chemical Communications</i> , <b>2016</b> , 52, 1131-4	5.8	5
13	Optical Control of Biomimetic Nanoparticle Catalysts Based upon the Metal Component. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 28055-28064	3.8	5
12	Intramolecular ionic Diels-Alder reactions of alpha-acetylenic acetals. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 8154-6	4.2	4
11	Elucidating the Role of the Organic Cation in Tuning the Optical Response of Two-Dimensional Organic/Inorganic Halide Perovskites by Computational Investigation. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 3224-3232	3.8	3
10	Chromogenesis-based Resonance Raman molecular sensor for reactive oxygen species. <i>Dyes and Pigments</i> , <b>2016</b> , 130, 162-167	4.6	3
9	Cleavage-induced fluorescence change via hydrophilicity control: A new strategy for biological application. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2007</b> , 188, 149-154	4.7	3
8	Analytical Study on Thermal Cracking Control of Mass Concrete by Vertical Pipe Cooling Method. <i>Journal of the Korea Concrete Institute</i> , <b>2014</b> , 26, 57-62	0.8	3
7	Water-Dispersible CsPbBr Perovskite Nanocrystals with Ultra-Stability and its Application in Electrochemical CO Reduction. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 172	19.5	3
6	Poly(oxyethylene sugaramide)s: unprecedented multihydroxyl building blocks for tumor-homing nanoassembly. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3437-3442	7.3	2
5	Computational design of two-photon active organic molecules for infrared responsive materials. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 9867-9873	7.1	1
4	Emission: Highly Fluorescent and Color-Tunable Exciplex Emission from Poly(N-vinylcarbazole) Film Containing Nanostructured Supramolecular Acceptors (Adv. Funct. Mater. 19/2014). <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2745-2745	15.6	1
3	Chemiluminescence-Generating Nanoreactor Formulation for Near-Infrared Imaging of Hydrogen Peroxide and Glucose Level in vivo. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, n/a-n/a	15.6	1

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| 2 | Dye-Sensitized Lanthanide-Doped Upconversion Nanoparticles for Water Detection in Organic Solvents. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 14069-14076                         | 5.6 | o |
| 1 | DNA detection via programmed core-shell nanodot-assembly with concomitant fluorescence modulation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2008</b> , 196, 94-98 | 4.7 |   |