

# Se-Chul Chun

## List of Publications by Citations

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98  
papers

1,881  
citations

19  
h-index

40  
g-index

103  
ext. papers

2,367  
ext. citations

4.2  
avg, IF

5.33  
L-index

#	Paper	IF	Citations
98	Phenolic compound concentration and antioxidant activities of edible and medicinal mushrooms from Korea. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 7265-70	5.7	240
97	Isolation and characterization of plant growth promoting endophytic diazotrophic bacteria from Korean rice cultivars. <i>Microbiological Research</i> , <b>2014</b> , 169, 83-98	5.3	230
96	Relationship between phenolic compounds, anthocyanins content and antioxidant activity in colored barley germplasm. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 4802-9	5.7	156
95	Over-expression of strawberry d-galacturonic acid reductase in potato leads to accumulation of vitamin C with enhanced abiotic stress tolerance. <i>Plant Science</i> , <b>2009</b> , 177, 659-667	5.3	100
94	Proline Accumulation Influenced by Osmotic Stress in Arbuscular Mycorrhizal Symbiotic Plants. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2525	5.7	68
93	Preparation and In Vitro Characterization of Chitosan Nanoparticles and Their Broad-Spectrum Antifungal Action Compared to Antibacterial Activities against Phytopathogens of Tomato. <i>Agronomy</i> , <b>2019</b> , 9, 21	3.6	63
92	Chitosan and chitosan nanoparticles induced expression of pathogenesis-related proteins genes enhances biotic stress tolerance in tomato. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 125, 948-954	7.9	61
91	Biological control of Phytophthora blight of pepper by antagonistic rhizobacteria selected from a sequential screening procedure. <i>Biological Control</i> , <b>2008</b> , 46, 424-433	3.8	58
90	Antibacterial Activity of Chitosan Nanoparticles: A Review. <i>Processes</i> , <b>2020</b> , 8, 1173	2.9	55
89	Biochemical analysis of enhanced tolerance in transgenic potato plants overexpressing d-galacturonic acid reductase gene in response to various abiotic stresses. <i>Molecular Breeding</i> , <b>2011</b> , 28, 105-115	3.4	51
88	Bactericidal activity of green tea extracts: the importance of catechin containing nano particles. <i>Scientific Reports</i> , <b>2016</b> , 6, 19710	4.9	44
87	Expression of PR-protein genes and induction of defense-related enzymes by Bacillus subtilis CBR05 in tomato (Solanum lycopersicum) plants challenged with Erwinia carotovora subsp. carotovora. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2016</b> , 80, 2277-2283	2.1	36
86	Enhancement of vitality and activity of a plant growth-promoting bacteria (PGPB) by atmospheric pressure non-thermal plasma. <i>Scientific Reports</i> , <b>2019</b> , 9, 1044	4.9	29
85	Expression of $\beta$ 1,3-glucanase (GLU) and phenylalanine ammonia-lyase (PAL) genes and their enzymes in tomato plants induced after treatment with Bacillus subtilis CBR05 against Xanthomonas campestris pv. vesicatoria. <i>Journal of General Plant Pathology</i> , <b>2017</b> , 83, 7-13	1	26
84	Exploiting Microbial Polysaccharides for Biosorption of Trace Elements in Aqueous Environments-Scope for Expansion via Nanomaterial Intervention. <i>Polymers</i> , <b>2017</b> , 9,	4.5	24
83	Unprecedented nitrate adsorption efficiency of carbon-silicon nano composites prepared from bamboo leaves. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 189, 12-21	4.4	23
82	Isolation and characterisation of a dwarf rice mutant exhibiting defective gibberellins biosynthesis. <i>Plant Biology</i> , <b>2014</b> , 16, 428-39	3.7	23

81	Proteases from phytopathogenic fungi and their importance in phytopathogenicity. <i>Journal of General Plant Pathology</i> , <b>2016</b> , 82, 233-239	1	22
80	Crustacean Waste-Derived Chitosan: Antioxidant Properties and Future Perspective. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	21
79	One-step, ultrasonication-mobilized, solvent-free extraction/synthesis of nanocurcumin from turmeric. <i>RSC Advances</i> , <b>2015</b> , 5, 48391-48398	3.7	18
78	Mycoremediation of PCBs by <i>Pleurotus ostreatus</i> : Possibilities and Prospects. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4185	2.6	18
77	<i>Penicillium brasilianum</i> as a novel pathogen of onion ( <i>Allium cepa</i> L.) and other fungi predominant on market onion in Korea. <i>Crop Protection</i> , <b>2014</b> , 65, 138-142	2.7	17
76	Effect of adenovirus and influenza virus infection on obesity. <i>Life Sciences</i> , <b>2013</b> , 93, 531-5	6.8	17
75	Sustainable ecofriendly phytoextract mediated one pot green recovery of chitosan. <i>Scientific Reports</i> , <b>2019</b> , 9, 13832	4.9	16
74	Taxonomy of <i>Fusarium fujikuroi</i> species complex associated with bakanae on rice in Korea. <i>Australasian Plant Pathology</i> , <b>2018</b> , 47, 23-34	1.4	16
73	The ethanopharmacological aspect of carbon nanodots in turmeric smoke. <i>Scientific Reports</i> , <b>2016</b> , 6, 35586	4.9	16
72	Biological Desorption Electrospray Ionization Mass Spectrometry (DESI MS) Unequivocal role of crucial ionization factors, solvent system and substrates. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 78, 109-119	14.6	16
71	Characterization of <i>Bacillus luciferensis</i> Strain KJ2C12 from Pepper Root, a Biocontrol Agent of Phytophthora Blight of Pepper. <i>Plant Pathology Journal</i> , <b>2009</b> , 25, 62-69	2.5	16
70	Effects of dietary conjugated linoleic acid and biopolymer encapsulation on lipid metabolism in mice. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 6848-62	6.3	15
69	The effect of spent mushroom sawdust compost mixes, calcium cyanamide and solarization on basal stem rot of the cactus <i>Hylocereus trigonus</i> caused by <i>Fusarium oxysporum</i> . <i>Crop Protection</i> , <b>2007</b> , 26, 162-168	2.7	15
68	Expression analysis of rice pathogenesis-related proteins involved in stress response and endophytic colonization properties of gfp-tagged <i>Bacillus subtilis</i> CB-R05. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 174, 231-41	3.2	14
67	Nature nominee quercetin's anti-influenza combat strategy-Demonstrations and remonstrations. <i>Reviews in Medical Virology</i> , <b>2017</b> , 27, e1930	11.7	13
66	The ongoing evolution of laser desorption/ionization mass spectrometry: Some observations on current trends and future directions. <i>Journal of Mass Spectrometry</i> , <b>2018</b> , 53, 525-540	2.2	12
65	Sonophysical cost effective rapid indigenous preparation of aluminium particles via exfoliation of aluminium foil. <i>RSC Advances</i> , <b>2016</b> , 6, 32405-32413	3.7	12
64	Meta-analysis Reveals That the Genus <i>Pseudomonas</i> Can Be a Better Choice of Biological Control Agent against Bacterial Wilt Disease Caused by <i>Ralstonia solanacearum</i> . <i>Plant Pathology Journal</i> , <b>2016</b> , 32, 216-27	2.5	12

63	Water soluble nanocurcumin extracted from turmeric challenging the microflora from human oral cavity. <i>Food Chemistry</i> , <b>2016</b> , 211, 903-9	8.5	12
62	Ultrasonication assisted ultrafast extraction of <i>Tagetes erecta</i> in water: cannonading antimicrobial, antioxidant components. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 229, 453-458	6	11
61	Nanopost array laser desorption ionization mass spectrometry (NAPA-LDI MS): Gathering moss?. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 97, 96-103	14.6	11
60	Silver nanoparticle-induced hormesis of astrogloma cells: A Mu-2-related death-inducing protein-orchestrated modus operandi. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 117, 1147-1156	7.9	11
59	<i>Bacillus subtilis</i> CBR05 induces Vitamin B6 biosynthesis in tomato through the de novo pathway in contributing disease resistance against <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> . <i>Scientific Reports</i> , <b>2019</b> , 9, 6495	4.9	10
58	Enhancement of Biocontrol Activity of Antagonistic <i>Chryseobacterium</i> Strain KJ1R5 by Adding Carbon Sources against <i>Phytophthora capsici</i> . <i>Plant Pathology Journal</i> , <b>2008</b> , 24, 164-170	2.5	10
57	Molecular epidemiology of begomoviruses occurring on some vegetables, grain legume and weed species in the Terai belt of north India. <i>Journal of Plant Diseases and Protection</i> , <b>2014</b> , 121, 53-57	1.5	9
56	First report of <i>Penicillium georgiense</i> as a fungal pathogen of onion ( <i>Allium cepa</i> L.). <i>Crop Protection</i> , <b>2015</b> , 72, 83-89	2.7	9
55	First report of <i>Aspergillus awamori</i> as a fungal pathogen of garlic ( <i>Allium sativum</i> L.). <i>Crop Protection</i> , <b>2016</b> , 85, 65-70	2.7	9
54	<i>Bacillus subtilis</i> CBR05 for Tomato ( <i>Solanum lycopersicum</i> ) Fruits in South Korea as a Novel Plant Probiotic Bacterium (PPB): Implications From Total Phenolics, Flavonoids, and Carotenoids Content for Fruit Quality. <i>Agronomy</i> , <b>2019</b> , 9, 838	3.6	9
53	Bactericidal Property of Macro-, Micro- and Nanocurcumin: An Assessment. <i>Arabian Journal for Science and Engineering</i> , <b>2016</b> , 41, 2087-2093		8
52	Nanotherapeutic Anti-influenza Solutions: Current Knowledge and Future Challenges. <i>Journal of Cluster Science</i> , <b>2018</b> , 29, 933-941	3	8
51	Effects of biopolymer encapsulation on trans fatty acid digestibility in an in vitro human digestion system. <i>Food and Function</i> , <b>2013</b> , 4, 1827-34	6.1	8
50	Mating Types and Optimum Culture Conditions for Sexual State Formation of <i>Fusarium fujikuroi</i> Isolates. <i>Mycobiology</i> , <b>2009</b> , 37, 247-50	1.7	8
49	Ultrasound mediated accelerated Anti-influenza activity of Aloe vera. <i>Scientific Reports</i> , <b>2018</b> , 8, 17782	4.9	8
48	The Major Postharvest Disease of Onion and Its Control with Thymol Fumigation During Low-Temperature Storage. <i>Mycobiology</i> , <b>2018</b> , 46, 242-253	1.7	8
47	Assays Evaluating Antimicrobial Activity of Nanoparticles: A Myth Buster. <i>Journal of Cluster Science</i> , <b>2018</b> , 29, 207-213	3	7
46	Induction of defence-related enzymes in tomato ( <i>Solanum lycopersicum</i> ) plants treated with <i>Bacillus subtilis</i> CBR05 against <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> . <i>Biocontrol Science and Technology</i> , <b>2016</b> , 26, 1366-1378	1.7	7

45	Phytoremediation potential of chromium-containing tannery effluent-contaminated soil by native Indian timber-yielding tree species. <i>Preparative Biochemistry and Biotechnology</i> , <b>2016</b> , 46, 100-8	2.4	7
44	Rudaeicoccus suwonensis gen. nov., sp. nov., an actinobacterium isolated from the epidermal tissue of a root of a Phalaenopsis orchid. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2013</b> , 63, 1291-1296	2.2	7
43	Begomoviruses and Their Emerging Threats in South Korea: A Review. <i>Plant Pathology Journal</i> , <b>2012</b> , 28, 123-136	2.5	7
42	Green Tea Versus Traditional Korean Teas: Antibacterial/Antifungal or Both?. <i>Applied Biochemistry and Biotechnology</i> , <b>2016</b> , 180, 780-790	3.2	7
41	Isolation, characterization and molecular three-dimensional structural predictions of metalloprotease from a phytopathogenic fungus, <i>Alternaria solani</i> (Ell. and Mart.) Sor. <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 122, 131-9	3.3	7
40	Purification and characterization of a highly active chromate reductase from endophytic <i>Bacillus</i> sp. DGV19 of <i>Albizia lebbek</i> (L.) Benth. actively involved in phytoremediation of tannery effluent-contaminated sites. <i>Preparative Biochemistry and Biotechnology</i> , <b>2016</b> , 46, 192-9	2.4	6
39	Clinical MALDI mass spectrometry for tuberculosis diagnostics: Speculating the methodological blueprint and contemplating the obligation to improvise. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2017</b> , 94, 190-199	14.6	6
38	State-of-the-art nanoplatfrom-integrated MALDI-MS impacting resolutions in urinary proteomics. <i>Proteomics - Clinical Applications</i> , <b>2015</b> , 9, 469-81	3.1	6
37	Nanotoxic impacts on staple food crops: There's plenty of room for the unpredictables. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2020</b> , 60, 3725-3736	11.5	5
36	Effect of thymol and linalool fumigation on postharvest diseases of table grapes. <i>Mycobiology</i> , <b>2014</b> , 42, 262-8	1.7	5
35	The microbial population in the air of cultivation facility of oyster mushrooms. <i>Journal of Microbiology</i> , <b>2012</b> , 50, 1053-7	3	5
34	Data mining technique for medical informatics: detecting gastric cancer using case-based reasoning and single nucleotide polymorphisms. <i>Expert Systems</i> , <b>2008</b> , 25, 163-172	2.1	5
33	A Single-Step Purification of Cauliflower Lysozyme and Its Dual Role Against Bacterial and Fungal Plant Pathogens. <i>Applied Biochemistry and Biotechnology</i> , <b>2015</b> , 177, 556-66	3.2	4
32	Attenuated total reflection fourier transform infrared spectroscopy towards disclosing mechanism of bacterial adhesion on thermally stabilized titanium nano-interfaces. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2016</b> , 27, 135	4.5	4
31	An agile, simplified and sonication mediated one-pot aqueous extraction and antibacterial assessment of predominant Korean mushrooms. <i>RSC Advances</i> , <b>2016</b> , 6, 12143-12157	3.7	4
30	Vitamin B6 biosynthetic genes expression and antioxidant enzyme properties in tomato against, <i>Erwinia carotovora</i> subsp. <i>carotovora</i> . <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 116, 31-36 <sup>9</sup>	7.9	4
29	First Report of a Croton yellow vein mosaic virus (CYVMV) Associated with Tomato Leaf Curl Disease in India. <i>Journal of Phytopathology</i> , <b>2015</b> , 163, 777-779	1.8	4
28	A Seedborne Fungus <i>Bipolaris spicifera</i> Detected from Imported Grass Seeds. <i>Plant Pathology Journal</i> , <b>2003</b> , 19, 133-137	2.5	4

27	Virus-like Particles and Cellular Changes in Plants Infected with Sweetpotato Viruses. <i>Plant Pathology Journal</i> , <b>2008</b> , 24, 36-45	2.5	4
26	Phenomenal Bombardment of Antibiotic in Poultry: Contemplating the Environmental Repercussions. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	4
25	The MUDENG Augmentation: A Genesis in Anti-Cancer Therapy?. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
24	Transubstantiating commercial mushroom market with ultrasonically ultrasized mushroom powders showcasing higher bioactivity. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 92, 1082-1094	7.9	4
23	The contribution of endophytic bacteria to Albizia lebbeck-mediated phytoremediation of tannery effluent contaminated soil. <i>International Journal of Phytoremediation</i> , <b>2016</b> , 18, 77-86	3.9	3
22	An analytical retrospection of mass spectrometric tools established for plant tissue culture: Current endeavours and future perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 126, 115843	14.6	3
21	Enhanced Harnessing of the Graviola Bioactive Components Using a Neoteric Sonication Cum Microwave Coadjuvant Extraction Protocol. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 232	2.6	3
20	Autochthonous self-assembly of nature's nanomaterials: green, parsimonious and antibacterial carbon nanofilms on glass. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 18670-7	3.6	3
19	Enhancing the Biological Control of Rice Seedling Disease by Adding Specific Carbon Sources into the Bacillus cereus D324 Formulation in Water-Seeded Rice. <i>Plant Pathology Journal</i> , <b>2008</b> , 24, 58-62	2.5	2
18	Characterization of Soil Microorganism from Humus and Indigenous Microorganism Amendments. <i>Mycobiology</i> , <b>2020</b> , 48, 392-398	1.7	2
17	Nanocarbon Effect of Smoking Biofilms for Effective Control. <i>Journal of Cluster Science</i> , <b>2018</b> , 29, 541-548	3.5	2
16	The unequivocal preponderance of biocomputation in clinical virology.. <i>RSC Advances</i> , <b>2018</b> , 8, 17334-17345	3.5	2
15	Antibacterial Activity of Nanoparticles of Garlic ( <i>Allium sativum</i> ) Extract against Different Bacteria Such as <i>Streptococcus mutans</i> and <i>Poryphomonas gingivalis</i> . <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 3491	2.6	2
14	Insights into Bioinformatic Applications for Glycosylation: Instigating an Awakening towards Applying Glycoinformatic Resources for Cancer Diagnosis and Therapy. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	1
13	Tetrapyrrole Accumulation in in vitro Selected Somaclones of Acifluorfen-Tolerant <i>Solanum ptycanthum</i> Dun. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2004</b> , 76, 167-174	2.7	1
12	Retrospecting the Antioxidant Activity of Japanese Matcha Green Tea [Lack of Enthusiasm?]. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5087	2.6	1
11	Isolation and Characterization of Avirulent and Virulent Strains of from Rose Crown Gall in Selected Regions of South Korea. <i>Plants</i> , <b>2019</b> , 8,	4.5	1
10	In Silico Tools and Phosphoproteomic Software Exclusives. <i>Processes</i> , <b>2019</b> , 7, 869	2.9	1

9	Identification of <i>Fusarium fujikuroi</i> Isolated from Barnyard Grass and Possibility of Inoculum Source of Bakanae Disease on Rice. <i>Research in Plant Disease</i> , <b>2011</b> , 17, 82-85	0.4	o
8	Reckoning the Dearth of Bioinformatics in the Arena of Diabetic Nephropathy (DN) Need to Improve. <i>Processes</i> , <b>2020</b> , 8, 808	2.9	o
7	De novo synthesis of novel bacteriogenic nanocell particles and its cancer cell compatibility evaluation. <i>RSC Advances</i> , <b>2015</b> , 5, 79792-79799	3.7	
6	A state-of-art review on the agility of quantitative proteomics in tuberculosis research. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 102, 369-378	14.6	
5	Synergistic bacterio-myco soyabean co-fermentation methodology for harnessing the unexhausted. <i>Journal of Food Processing and Preservation</i> , <b>2018</b> , 42, e13412	2.1	
4	Pertinency of Pulsed Sonication for Activating Commercial Yeast Clusters. <i>Journal of Cluster Science</i> , <b>2018</b> , 29, 641-648	3	
3	Cultural Characteristics of a Seedborne Fungus, <i>Bipolaris spicifera</i> Detected from Imported Grass Seeds into Korea. <i>Mycobiology</i> , <b>2004</b> , 32, 186	1.7	
2	Status Quo of Glycosylation in Cancer: What Is, What Is Not and What Is to Be. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8401	2.6	
1	The Diazotroph as an Endophyte and How a Diazotroph Interacts with Its Plant Host. <i>Advances in Environmental Microbiology</i> , <b>2021</b> , 391-423	1.3	