

Se-Chul Chun

List of Publications by Year in Descending Order

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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.

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	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> , 2022 , 12, 3491	2.6	2
97	Retrospecting the Antioxidant Activity of Japanese Matcha Green Tea [Lack of Enthusiasm?]. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5087	2.6	1
96	Crustacean Waste-Derived Chitosan: Antioxidant Properties and Future Perspective. <i>Antioxidants</i> , 2021 , 10,	7.1	21
95	The Diazotroph as an Endophyte and How a Diazotroph Interacts with Its Plant Host. <i>Advances in Environmental Microbiology</i> , 2021 , 391-423	1.3	
94	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> , 2020 , 21,	6.3	1
93	Nanotoxic impacts on staple food crops: There's plenty of room for the unpredictables. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 60, 3725-3736	11.5	5
92	An analytical retrospection of mass spectrometric tools established for plant tissue culture: Current endeavours and future perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 126, 115843	14.6	3
91	Phenomenal Bombardment of Antibiotic in Poultry: Contemplating the Environmental Repercussions. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4
90	Reckoning the Dearth of Bioinformatics in the Arena of Diabetic Nephropathy (DN) [Need to Improvise]. <i>Processes</i> , 2020 , 8, 808	2.9	0
89	The MUDENG Augmentation: A Genesis in Anti-Cancer Therapy?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
88	Antibacterial Activity of Chitosan Nanoparticles: A Review. <i>Processes</i> , 2020 , 8, 1173	2.9	55
87	Characterization of Soil Microorganism from Humus and Indigenous Microorganism Amendments. <i>Mycobiology</i> , 2020 , 48, 392-398	1.7	2
86	Status Quo of Glycosylation in Cancer: What Is, What Is Not and What Is to Be. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8401	2.6	
85	Sustainable ecofriendly phytoextract mediated one pot green recovery of chitosan. <i>Scientific Reports</i> , 2019 , 9, 13832	4.9	16
84	Enhancement of vitality and activity of a plant growth-promoting bacteria (PGPB) by atmospheric pressure non-thermal plasma. <i>Scientific Reports</i> , 2019 , 9, 1044	4.9	29
83	<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> , 2019 , 9, 6495	4.9	10
82	Mycoremediation of PCBs by <i>Pleurotus ostreatus</i> : Possibilities and Prospects. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4185	2.6	18

81	Bacillus subtilis CBR05 for Tomato (Solanum lycopersicum) 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> , 2019 , 9, 838	3.6	9
80	Isolation and Characterization of Avirulent and Virulent Strains of from Rose Crown Gall in Selected Regions of South Korea. <i>Plants</i> , 2019 , 8,	4.5	1
79	In Silico Tools and Phosphoproteomic Software Exclusives. <i>Processes</i> , 2019 , 7, 869	2.9	1
78	Chitosan and chitosan nanoparticles induced expression of pathogenesis-related proteins genes enhances biotic stress tolerance in tomato. <i>International Journal of Biological Macromolecules</i> , 2019 , 125, 948-954	7.9	61
77	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> , 2019 , 9, 21	3.6	63
76	Assays Evaluating Antimicrobial Activity of Nanoparticles: A Myth Buster. <i>Journal of Cluster Science</i> , 2018 , 29, 207-213	3	7
75	Taxonomy of Fusarium fujikuroi species complex associated with bakanae on rice in Korea. <i>Australasian Plant Pathology</i> , 2018 , 47, 23-34	1.4	16
74	The ongoing evolution of laser desorption/ionization mass spectrometry: Some observations on current trends and future directions. <i>Journal of Mass Spectrometry</i> , 2018 , 53, 525-540	2.2	12
73	A state-of-art review on the agility of quantitative proteomics in tuberculosis research. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 102, 369-378	14.6	
72	Synergistic bacterio-myco soyabean co-fermentation methodology for harnessing the unexhausted. <i>Journal of Food Processing and Preservation</i> , 2018 , 42, e13412	2.1	
71	Enhanced Harnessing of the Graviola Bioactive Components Using a Neoteric Sonication Cum Microwave Coadjuvant Extraction Protocol. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 232	2.6	3
70	Nanotherapeutic Anti-influenza Solutions: Current Knowledge and Future Challenges. <i>Journal of Cluster Science</i> , 2018 , 29, 933-941	3	8
69	Pertinency of Pulsed Sonication for Activating Commercial Yeast Clusters. <i>Journal of Cluster Science</i> , 2018 , 29, 641-648	3	
68	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> , 2018 , 116, 31-36 ⁹	3.7	4
67	Ultrasound mediated accelerated Anti-influenza activity of Aloe vera. <i>Scientific Reports</i> , 2018 , 8, 17782	4.9	8
66	The Major Postharvest Disease of Onion and Its Control with Thymol Fumigation During Low-Temperature Storage. <i>Mycobiology</i> , 2018 , 46, 242-253	1.7	8
65	Proline Accumulation Influenced by Osmotic Stress in Arbuscular Mycorrhizal Symbiotic Plants. <i>Frontiers in Microbiology</i> , 2018 , 9, 2525	5.7	68
64	Nanocarbon Effect of Smoking Biofilms for Effective Control. <i>Journal of Cluster Science</i> , 2018 , 29, 541-548	3.5	2

63	The unequivocal preponderance of biocomputation in clinical virology.. <i>RSC Advances</i> , 2018 , 8, 17334-17345	2	
62	Silver nanoparticle-induced hormesis of astrogloma cells: A Mu-2-related death-inducing protein-orchestrated modus operandi. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 1147-1156	7.9	11
61	Nature nominee quercetin's anti-influenza combat strategy-Demonstrations and remonstrations. <i>Reviews in Medical Virology</i> , 2017 , 27, e1930	11.7	13
60	Expression of β 1,3-glucanase (GLU) and phenylalanine ammonia-lyase (PAL) genes and their enzymes in tomato plants induced after treatment with <i>Bacillus subtilis</i> CBR05 against <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> . <i>Journal of General Plant Pathology</i> , 2017 , 83, 7-13	1	26
59	Ultrasonication assisted ultrafast extraction of <i>Tagetes erecta</i> in water: cannonading antimicrobial, antioxidant components. <i>Journal of Molecular Liquids</i> , 2017 , 229, 453-458	6	11
58	Unprecedented nitrate adsorption efficiency of carbon-silicon nano composites prepared from bamboo leaves. <i>Materials Chemistry and Physics</i> , 2017 , 189, 12-21	4.4	23
57	Nanopost array laser desorption ionization mass spectrometry (NAPA-LDI MS): Gathering moss?. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 97, 96-103	14.6	11
56	Clinical MALDI mass spectrometry for tuberculosis diagnostics: Speculating the methodological blueprint and contemplating the obligation to improvise. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 94, 190-199	14.6	6
55	Exploiting Microbial Polysaccharides for Biosorption of Trace Elements in Aqueous Environments-Scope for Expansion via Nanomaterial Intervention. <i>Polymers</i> , 2017 , 9,	4.5	24
54	Purification and characterization of a highly active chromate reductase from endophytic <i>Bacillus</i> sp. DGV19 of <i>Albizia lebeck</i> (L.) Benth. actively involved in phytoremediation of tannery effluent-contaminated sites. <i>Preparative Biochemistry and Biotechnology</i> , 2016 , 46, 192-9	2.4	6
53	The contribution of endophytic bacteria to <i>Albizia lebeck</i> -mediated phytoremediation of tannery effluent contaminated soil. <i>International Journal of Phytoremediation</i> , 2016 , 18, 77-86	3.9	3
52	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> , 2016 , 27, 135	4.5	4
51	Expression of PR-protein genes and induction of defense-related enzymes by <i>Bacillus subtilis</i> CBR05 in tomato (<i>Solanum lycopersicum</i>) plants challenged with <i>Erwinia carotovora</i> subsp. <i>carotovora</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 2277-2283	2.1	36
50	The ethanopharmacological aspect of carbon nanodots in turmeric smoke. <i>Scientific Reports</i> , 2016 , 6, 35586	4.9	16
49	Bactericidal activity of green tea extracts: the importance of catechin containing nano particles. <i>Scientific Reports</i> , 2016 , 6, 19710	4.9	44
48	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> , 2016 , 26, 1366-1378	1.7	7
47	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> , 2016 , 78, 109-119	14.6	16
46	Sonophysical cost effective rapid indigenous preparation of aluminium particles via exfoliation of aluminium foil. <i>RSC Advances</i> , 2016 , 6, 32405-32413	3.7	12

45	Bactericidal Property of Macro-, Micro- and Nanocurcumin: An Assessment. <i>Arabian Journal for Science and Engineering</i> , 2016 , 41, 2087-2093		8
44	An agile, simplified and sonication mediated one-pot aqueous extraction and antibacterial assessment of predominant Korean mushrooms. <i>RSC Advances</i> , 2016 , 6, 12143-12157	3.7	4
43	Phytoremediation potential of chromium-containing tannery effluent-contaminated soil by native Indian timber-yielding tree species. <i>Preparative Biochemistry and Biotechnology</i> , 2016 , 46, 100-8	2.4	7
42	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> , 2016 , 32, 216-27	2.5	12
41	Autochthonous self-assembly of nature's nanomaterials: green, parsimonious and antibacterial carbon nanofilms on glass. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 18670-7	3.6	3
40	Water soluble nanocurcumin extracted from turmeric challenging the microflora from human oral cavity. <i>Food Chemistry</i> , 2016 , 211, 903-9	8.5	12
39	Green Tea Versus Traditional Korean Teas: Antibacterial/Antifungal or Both?. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 180, 780-790	3.2	7
38	First report of <i>Aspergillus awamori</i> as a fungal pathogen of garlic (<i>Allium sativum</i> L.). <i>Crop Protection</i> , 2016 , 85, 65-70	2.7	9
37	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> , 2016 , 122, 131-9	3.3	7
36	Proteases from phytopathogenic fungi and their importance in phytopathogenicity. <i>Journal of General Plant Pathology</i> , 2016 , 82, 233-239	1	22
35	Transubstantiating commercial mushroom market with ultrasonically ultrasized mushroom powders showcasing higher bioactivity. <i>International Journal of Biological Macromolecules</i> , 2016 , 92, 1082-1094	7.9	4
34	One-step, ultrasonication-mobilized, solvent-free extraction/synthesis of nanocurcumin from turmeric. <i>RSC Advances</i> , 2015 , 5, 48391-48398	3.7	18
33	A Single-Step Purification of Cauliflower Lysozyme and Its Dual Role Against Bacterial and Fungal Plant Pathogens. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 177, 556-66	3.2	4
32	De novo synthesis of novel bacteriogenic nanocell particles and its cancer cell compatibility evaluation. <i>RSC Advances</i> , 2015 , 5, 79792-79799	3.7	
31	First Report of a Croton yellow vein mosaic virus (CYVMV) Associated with Tomato Leaf Curl Disease in India. <i>Journal of Phytopathology</i> , 2015 , 163, 777-779	1.8	4
30	State-of-the-art nanoplatform-integrated MALDI-MS impacting resolutions in urinary proteomics. <i>Proteomics - Clinical Applications</i> , 2015 , 9, 469-81	3.1	6
29	First report of <i>Penicillium georgiense</i> as a fungal pathogen of onion (<i>Allium cepa</i> L.). <i>Crop Protection</i> , 2015 , 72, 83-89	2.7	9
28	Isolation and characterisation of a dwarf rice mutant exhibiting defective gibberellins biosynthesis. <i>Plant Biology</i> , 2014 , 16, 428-39	3.7	23

27	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> , 2014 , 174, 231-41	3.2	14
26	<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> , 2014 , 65, 138-142	2.7	17
25	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> , 2014 , 121, 53-57	1.5	9
24	Effect of thymol and linalool fumigation on postharvest diseases of table grapes. <i>Mycobiology</i> , 2014 , 42, 262-8	1.7	5
23	Isolation and characterization of plant growth promoting endophytic diazotrophic bacteria from Korean rice cultivars. <i>Microbiological Research</i> , 2014 , 169, 83-98	5.3	23 ⁰
22	Effect of adenovirus and influenza virus infection on obesity. <i>Life Sciences</i> , 2013 , 93, 531-5	6.8	17
21	Effects of biopolymer encapsulation on trans fatty acid digestibility in an in vitro human digestion system. <i>Food and Function</i> , 2013 , 4, 1827-34	6.1	8
20	<i>Rudaeicoccus suwonensis</i> gen. nov., sp. nov., an actinobacterium isolated from the epidermal tissue of a root of a <i>Phalaenopsis</i> orchid. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013 , 63, 1291-1296	2.2	7
19	Effects of dietary conjugated linoleic acid and biopolymer encapsulation on lipid metabolism in mice. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 6848-62	6.3	15
18	The microbial population in the air of cultivation facility of oyster mushrooms. <i>Journal of Microbiology</i> , 2012 , 50, 1053-7	3	5
17	Begomoviruses and Their Emerging Threats in South Korea: A Review. <i>Plant Pathology Journal</i> , 2012 , 28, 123-136	2.5	7
16	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> , 2011 , 28, 105-115	3.4	51
15	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> , 2011 , 17, 82-85	0.4	0
14	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> , 2009 , 177, 659-667	5.3	100
13	Mating Types and Optimum Culture Conditions for Sexual State Formation of <i>Fusarium fujikuroi</i> Isolates. <i>Mycobiology</i> , 2009 , 37, 247-50	1.7	8
12	Characterization of <i>Bacillus luciferensis</i> Strain KJ2C12 from Pepper Root, a Biocontrol Agent of <i>Phytophthora</i> Blight of Pepper. <i>Plant Pathology Journal</i> , 2009 , 25, 62-69	2.5	16
11	Data mining technique for medical informatics: detecting gastric cancer using case-based reasoning and single nucleotide polymorphisms. <i>Expert Systems</i> , 2008 , 25, 163-172	2.1	5
10	Phenolic compound concentration and antioxidant activities of edible and medicinal mushrooms from Korea. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 7265-70	5.7	24 ⁰

9	Biological control of Phytophthora blight of pepper by antagonistic rhizobacteria selected from a sequential screening procedure. <i>Biological Control</i> , 2008 , 46, 424-433	3.8	58
8	Virus-like Particles and Cellular Changes in Plants Infected with Sweetpotato Viruses. <i>Plant Pathology Journal</i> , 2008 , 24, 36-45	2.5	4
7	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> , 2008 , 24, 58-62	2.5	2
6	Enhancement of Biocontrol Activity of Antagonistic Chryseobacterium Strain KJ1R5 by Adding Carbon Sources against Phytophthora capsici. <i>Plant Pathology Journal</i> , 2008 , 24, 164-170	2.5	10
5	Relationship between phenolic compounds, anthocyanins content and antioxidant activity in colored barley germplasm. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 4802-9	5.7	156
4	The effect of spent mushroom sawdust compost mixes, calcium cyanamide and solarization on basal stem rot of the cactus Hylocereus trigonus caused by Fusarium oxysporum. <i>Crop Protection</i> , 2007 , 26, 162-168	2.7	15
3	Cultural Characteristics of a Seedborne Fungus, Bipolaris spicifera Detected from Imported Grass Seeds into Korea. <i>Mycobiology</i> , 2004 , 32, 186	1.7	
2	Tetrapyrrole Accumulation in in vitro Selected Somaclones of Acifluorfen-Tolerant Solanum ptycanthum Dun. <i>Plant Cell, Tissue and Organ Culture</i> , 2004 , 76, 167-174	2.7	1
1	A Seedborne Fungus Bipolaris spicifera Detected from Imported Grass Seeds. <i>Plant Pathology Journal</i> , 2003 , 19, 133-137	2.5	4