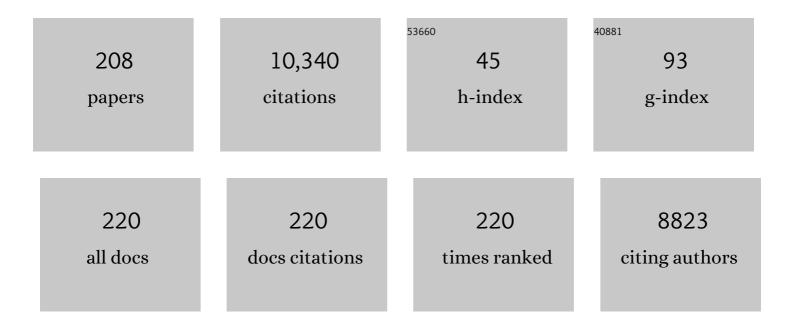
Kumar Sudesh

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Electrotransformation of thermophilic bacterium Caldimonas manganoxidans. Journal of Microbiological Methods, 2022, 192, 106375.	0.7	4
2	Antimicrobial resistance: Prevalence, economic burden, mechanisms of resistance and strategies to overcome. European Journal of Pharmaceutical Sciences, 2022, 170, 106103.	1.9	150
3	Polyhydroxyalkanoate synthase (PhaC): The key enzyme for biopolyester synthesis. Current Research in Biotechnology, 2022, 4, 87-101.	1.9	27
4	Activated carbon from biomass waste precursors: Factors affecting production and adsorption mechanism. Chemosphere, 2022, 294, 133764.	4.2	109
5	Exploring Various Techniques for the Chemical and Biological Synthesis of Polymeric Nanoparticles. Nanomaterials, 2022, 12, 576.	1.9	42
6	Reactive oxygen species scavenging capacities of oil palm trunk sap evaluated using the electron spin resonance spin trapping method. Industrial Crops and Products, 2022, 182, 114887.	2.5	1
7	Microalgal Biomass as Feedstock for Bacterial Production of PHA: Advances and Future Prospects. Frontiers in Bioengineering and Biotechnology, 2022, 10, .	2.0	6
8	Streptomyces sp. AC04842: Genomic Insights and Functional Expression of Its Latex Clearing Protein Genes (lcp1 and lcp2) When Cultivated With Natural and Vulcanized Rubber as the Sole Carbon Source. Frontiers in Microbiology, 2022, 13, 854427.	1.5	3
9	Development of Biocompatible Polyhydroxyalkanoate/Chitosan-Tungsten Disulphide Nanocomposite for Antibacterial and Biological Applications. Polymers, 2022, 14, 2224.	2.0	2
10	Biomedical Applications of Polyhydroxyalkanoate in Tissue Engineering. Polymers, 2022, 14, 2141.	2.0	14
11	Potential of mealworms used in polyhydroxyalkanoate/bioplastic recovery as red hybrid tilapia (Oreochromis sp.) feed ingredient. Scientific Reports, 2022, 12, .	1.6	2
12	Revalorization of adsorbed residual oil in spent bleaching clay as a sole carbon source for polyhydroxyalkanoate (PHA) accumulation in Cupriavidus necator Re2058/pCB113. Polymer Journal, 2021, 53, 169-178.	1.3	3
13	Enhanced polyhydroxybutyrate (PHB) production by newly isolated rare actinomycetes Rhodococcus sp. strain BSRT1-1 using response surface methodology. Scientific Reports, 2021, 11, 1896.	1.6	80
14	Biocontrol potential of <i>Aspergillus terreus</i> , endophytic fungus against <i>Rigidoporus microporus</i> and <i>Corynespora cassiicola,</i> pathogens of rubber tree. Archives of Phytopathology and Plant Protection, 2021, 54, 1014-1032.	0.6	5
15	In Vivo Characterization and Application of the PHA Synthase from Azotobacter vinelandii for the Biosynthesis of Polyhydroxyalkanoate Containing 4-Hydroxybutyrate. Polymers, 2021, 13, 1576.	2.0	2
16	Biosynthesized Poly(3-Hydroxybutyrate) on Coated Pineapple Leaf Fiber Papers for Biodegradable Packaging Application. Polymers, 2021, 13, 1733.	2.0	9
17	The effects of melt grafted maleated polybutylene succinate on the properties of poly(hydroxybutyrateâ€coâ€hydroxyhexanoate)/polybutylene succinate blends. Journal of Vinyl and Additive Technology, 2021, 27, 567-588.	1.8	6
18	Microbial Degradation of Rubber: Actinobacteria. Polymers, 2021, 13, 1989.	2.0	38

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19	Utilization of banana (Musa sp.) fronds extract as an alternative carbon source for poly(3-hydroxybutyrate) production by Cupriavidus necator H16. Biocatalysis and Agricultural Biotechnology, 2021, 34, 102048.	1.5	11
20	Phenol and p-nitrophenol biodegradations by acclimated activated sludge: Influence of operational conditions on biodegradation kinetics and responding microbial communities. Journal of Environmental Chemical Engineering, 2021, 9, 105420.	3.3	24
21	Mealworm (Tenebrio molitor) oil characterization and optimization of the free fatty acid pretreatment via acid-catalyzed esterification. Fuel, 2021, 299, 120905.	3.4	10
22	ldentification of regions affecting enzyme activity, substrate binding, dimer stabilization and polyhydroxyalkanoate (PHA) granule morphology in the PHA synthase of Aquitalea sp. USM4. International Journal of Biological Macromolecules, 2021, 186, 414-423.	3.6	12
23	Bioplastics: A boon or bane?. Renewable and Sustainable Energy Reviews, 2021, 147, 111237.	8.2	76
24	Surface oxidation of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) via photo-activated chlorine dioxide radical. Polymer Degradation and Stability, 2021, 191, 109661.	2.7	3
25	Effect of decomposing oil palm trunk fibers on plant growth and soil microbial community composition. Journal of Environmental Management, 2021, 295, 113050.	3.8	11
26	Characterization and Biodegradability of Rice Husk-Filled Polymer Composites. Polymers, 2021, 13, 104.	2.0	34
27	Rubber Degrading Strains: Microtetraspora and Dactylosporangium. Polymers, 2021, 13, 3524.	2.0	6
28	Direct production of polyhydroxybutyrate from waste starch by newly-isolated <i>Bacillus aryabhattai</i> T34-N4. Environmental Technology (United Kingdom), 2020, 41, 3318-3328.	1.2	18
29	Production of P(3HB-co-4HB) copolymer with high 4HB molar fraction by Burkholderia contaminans Kad1 PHA synthase. Biochemical Engineering Journal, 2020, 153, 107394.	1.8	21
30	A study on the effects of increment and decrement repeated fed-batch feeding of glucose on the production of poly(3-hydroxybutyrate) [P(3HB)] by a newly engineered Cupriavidus necator NSDG-GG mutant in batch fill-and-draw fermentation. Journal of Biotechnology, 2020, 307, 77-86.	1.9	12
31	Complete Genome Sequence of a Novel Polyhydroxyalkanoate (PHA) Producer, Jeongeupia sp. USM3 (JCM 19920) and Characterization of Its PHA Synthases. Current Microbiology, 2020, 77, 500-508.	1.0	11
32	Electrospun poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)/silk fibroin film is a promising scaffold for bone tissue engineering. International Journal of Biological Macromolecules, 2020, 145, 173-188.	3.6	47
33	Potential Applications of Polyhydroxyalkanoates as a Biomaterial for the Aging Population. Polymer Degradation and Stability, 2020, 181, 109371.	2.7	21
34	Asymmetric Open-Closed Dimer Mechanism of Polyhydroxyalkanoate Synthase PhaC. IScience, 2020, 23, 101084.	1.9	31
35	Development and evaluation of controlled release fertilizer using P(3HB-co-3HHx) on oil palm plants (nursery stage) and soil microbes. Biocatalysis and Agricultural Biotechnology, 2020, 28, 101710.	1.5	10
36	Genome Mining Reveals the Biosynthetic Pathways of Polyhydroxyalkanoate and Ectoines of the Halophilic Strain Salinivibrio proteolyticus M318 Isolated from Fermented Shrimp Paste. Marine Biotechnology, 2020, 22, 651-660.	1.1	10

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37	Evaluation of BP-M-CPF4 polyhydroxyalkanoate (PHA) synthase on the production of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) from plant oil using Cupriavidus necator transformants. International Journal of Biological Macromolecules, 2020, 159, 250-257.	3.6	34
38	Polyhydroxyalkanoate (PHA) synthase genes and PHA-associated gene clusters in Pseudomonas spp. and Janthinobacterium spp. isolated from Antarctica. Journal of Biotechnology, 2020, 313, 18-28.	1.9	31
39	Electrospun (Nickel and palladium) tin(IV) oxide/polyaniline/polyhydroxy-3-butyrate biodegradable nanocomposite fibers for low temperature ethanol gas sensing. Nanotechnology, 2020, 31, 425503.	1.3	12
40	Comparison of quantification methods and subsequent characterization of polyhydroxybutyrate film sample utilizing pretreated cane molasses as carbon source. IOP Conference Series: Materials Science and Engineering, 2020, 716, 012013.	0.3	4
41	Physicochemical characteristics of poly(3-hydroxybutyrate) and poly(3-hydroxybutyrate- <i>co</i> -3-hydroxyhexanoate) electrospun nanofibres for the adsorption of phenol. Journal of Experimental Nanoscience, 2020, 15, 26-53.	1.3	4
42	Fabrication of biopolymer polyhydroxyalkanoate/chitosan and 2D molybdenum disulfide–doped scaffolds for antibacterial and biomedical applications. Applied Microbiology and Biotechnology, 2020, 104, 3121-3131.	1.7	35
43	Effect of feeding strategy on the protein and fatty acid contents of black soldier fly prepupae (Hermetia illucens) for the potential applications as animal feed and promising alternative protein-rich food. IOP Conference Series: Materials Science and Engineering, 2020, 716, 012006.	0.3	5
44	Can Polyhydroxyalkanoates Be Produced Efficiently From Waste Plant and Animal Oils?. Frontiers in Bioengineering and Biotechnology, 2020, 8, 169.	2.0	94
45	PHA Production and PHA Synthases of the Halophilic Bacterium Halomonas sp. SF2003. Bioengineering, 2020, 7, 29.	1.6	23
46	Biosynthesis of Polyhydroxyalkanoates (PHA) from Vegetable Oils and Their By-Products by Wild-Type and Recombinant Microbes. , 2020, , 257-290.		3
47	High cell density culture of Cupriavidus necator H16 and improved biological recovery of polyhydroxyalkanoates using mealworms. Journal of Biotechnology, 2019, 305, 35-42.	1.9	21
48	Utilization of waste fish oil and glycerol as carbon sources for polyhydroxyalkanoate production by Salinivibrio sp. M318. International Journal of Biological Macromolecules, 2019, 141, 885-892.	3.6	59
49	Boron Nitride Doped Polyhydroxyalkanoate/Chitosan Nanocomposite for Antibacterial and Biological Applications. Nanomaterials, 2019, 9, 645.	1.9	40
50	Identification and characterization of ectoine-producing bacteria isolated from Can Gio mangrove soil in Vietnam. Annals of Microbiology, 2019, 69, 819-828.	1.1	13
51	Biosynthesis and characterization of co and ter-polyesters of polyhydroxyalkanoates containing high monomeric fractions of 4-hydroxybutyrate and 5-hydroxyvalerate via a novel PHA synthase. Polymer Degradation and Stability, 2019, 163, 122-135.	2.7	13
52	Synthesis of Polyesters III: Acyltransferase as Catalyst. Green Chemistry and Sustainable Technology, 2019, , 199-231.	0.4	2
53	Correction to: Identification and characterization of ectoine-producing bacteria isolated from Can Gio mangrove soil in Vietnam. Annals of Microbiology, 2019, 69, 1589-1589.	1.1	1
54	Evaluation of soil burial biodegradation behavior of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) on the basis of change in copolymer composition monitored by thermally assisted hydrolysis and methylation-gas chromatography. Journal of Analytical and Applied Pyrolysis, 2019, 137, 146-150.	2.6	17

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55	Study of electrospun fish gelatin nanofilms from benign organic acids as solvents. Food Packaging and Shelf Life, 2019, 19, 66-75.	3.3	24
56	Lipid production by Lipomyces starkeyi using sap squeezed from felled old oil palm trunks. Journal of Bioscience and Bioengineering, 2019, 127, 726-731.	1.1	13
57	PHA synthase (PhaC): interpreting the functions of bioplastic-producing enzyme from a structural perspective. Applied Microbiology and Biotechnology, 2019, 103, 1131-1141.	1.7	43
58	Properties of Particleboard Manufactured from Oil Palm Trunk Waste Using Polylactic Acid as a Natural Binder. Waste and Biomass Valorization, 2019, 10, 179-186.	1.8	11
59	Evaluation of Sludge Palm Oil as Feedstock and Development of Efficient Method for its Utilization to Produce Polyhydroxyalkanoate. Waste and Biomass Valorization, 2019, 10, 709-720.	1.8	37
60	A Comparative Study of Structural and Ethanol Gas Sensing Properties of Pure, Nickel and Palladium Doped SnO2 Nanorods Synthesised by the Hydrothermal Method. Journal of Physical Science, 2019, 30, 127-143.	0.5	11
61	The Use of Palm Oil-Based Waste Cooking Oil to Enhance the Production of Polyhydroxybutyrate [P(3HB)] by Cupriavidus necator H16 Strain. Arabian Journal for Science and Engineering, 2018, 43, 3453-3463.	1.7	27
62	Evaluation of date seed oil and date molasses as novel carbon sources for the production of poly(3Hydroxybutyrate-co-3Hydroxyhexanoate) by Cupriavidus necator H16 Re 2058/pCB113. Industrial Crops and Products, 2018, 119, 83-92.	2.5	45
63	A novel biological recovery approach for PHA employing selective digestion of bacterial biomass in animals. Applied Microbiology and Biotechnology, 2018, 102, 2117-2127.	1.7	44
64	A novel and wide substrate specific polyhydroxyalkanoate (PHA) synthase from unculturable bacteria found in mangrove soil. Journal of Polymer Research, 2018, 25, 1.	1.2	21
65	Biodegradation of fibrillated oil palm trunk fiber by a novel thermophilic, anaerobic, xylanolytic bacterium Caldicoprobacter sp. CL-2 isolated from compost. Enzyme and Microbial Technology, 2018, 111, 21-28.	1.6	27
66	Biosynthesis of polyhydroxyalkanoates using Cupriavidus necator H16 and its application for particleboard production. Journal of Polymer Research, 2018, 25, 1.	1.2	8
67	Green Nanotechnology for Synthesis and characterization of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) nanoparticles for sustained bortezomib release using supercritical CO2 assisted particle formation combined with electrodeposition. International Journal of Biological Macromolecules. 2018. 107. 436-445.	3.6	15
68	An integrative study on biologically recovered polyhydroxyalkanoates (PHAs) and simultaneous assessment of gut microbiome in yellow mealworm. Journal of Biotechnology, 2018, 265, 31-39.	1.9	43
69	Cupriavidus malaysiensis sp. nov., a novel poly(3-hydroxybutyrate-co-4-hydroxybutyrate) accumulating bacterium isolated from the Malaysian environment. Antonie Van Leeuwenhoek, 2018, 111, 361-372.	0.7	5
70	Conventional Technology and Nanotechnology in Wood Preservation: A Review. BioResources, 2018, 13, .	0.5	69
71	Production of Polyhydroxyalkanoates From Underutilized Plant Oils by <i>Cupriavidus necator</i> . Clean - Soil, Air, Water, 2018, 46, 1700542.	0.7	26
72	Fabrication and Characterization of an Electrospun PHA/Graphene Silver Nanocomposite Scaffold for Antibacterial Applications. Materials, 2018, 11, 1673.	1.3	42

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73	Modelling of polyhydroxyalkanoate synthase from Aquitalea sp. USM4 suggests a novel mechanism for polymer elongation. International Journal of Biological Macromolecules, 2018, 119, 438-445.	3.6	8
74	Enhancement of bioplastic polyhydroxybutyrate P(3HB) production from glucose by newly engineered strain Cupriavidus necator NSDG-GG using response surface methodology. 3 Biotech, 2018, 8, 330.	1.1	13
75	Production and recovery of poly(3â€hydroxybutyrateâ€≺i>coâ€3â€hydroxyvalerate) from biodiesel liquid waste (BLW). Journal of Basic Microbiology, 2018, 58, 977-986.	1.8	12
76	Conversion of rice husks to polyhydroxyalkanoates (<scp>PHA</scp>) via a threeâ€step process: optimized alkaline pretreatment, enzymatic hydrolysis, and biosynthesis by <i>Burkholderia cepacia</i> <scp>USM</scp> (<scp>JCM</scp> 15050). Journal of Chemical Technology and Biotechnology, 2017, 92, 100-108.	1.6	69
77	Composite properties and biodegradation of biologically recovered P(3HB- co -3HHx) reinforced with short kenaf fibers. Polymer Degradation and Stability, 2017, 137, 100-108.	2.7	27
78	Biosynthesis of P(3HB- co -3HHx) with improved molecular weights from a mixture of palm olein and fructose by Cupriavidus necator Re2058/pCB113. International Journal of Biological Macromolecules, 2017, 102, 1112-1119.	3.6	37
79	Detoxification of Sap from Felled Oil Palm Trunks for the Efficient Production of Lactic Acid. Applied Biochemistry and Biotechnology, 2017, 183, 412-425.	1.4	17
80	Structure of polyhydroxyalkanoate (PHA) synthase PhaC from Chromobacterium sp. USM2, producing biodegradable plastics. Scientific Reports, 2017, 7, 5312.	1.6	78
81	Identification of three homologous latex-clearing protein (Icp) genes from the genome of Streptomyces sp. strain CFMR 7. Gene, 2017, 628, 146-155.	1.0	10
82	Screening and Evaluation of Poly(3-hydroxybutyrate) with Rhodococcus equi Using Different Carbon Sources. Arabian Journal for Science and Engineering, 2017, 42, 2371-2379.	1.7	21
83	Biological recovery and properties of poly(3-hydroxybutyrate) from Cupriavidus necator H16. Separation and Purification Technology, 2017, 172, 1-6.	3.9	40
84	Biodegradation of Natural Rubber and Natural Rubber Products by Streptomyces sp. Strain CFMR 7. Journal of Polymers and the Environment, 2017, 25, 606-616.	2.4	24
85	Structural Analysis of ZnO Nanoparticles Reinforced P(3HB-co-15Âmol% 3HHx) Bioplastic Composite. Journal of Polymers and the Environment, 2017, 25, 1251-1261.	2.4	9
86	Degradation of Polyhydroxyalkanoate (PHA): a Review. Journal of Siberian Federal University - Biology, 2017, 10, 21-225.	0.2	47
87	Effect of Microwave Pretreatment on the Properties of Particleboard Made from Para Rubber Wood Sawdust with the Addition of Polyhydroxyalkanoates. Sains Malaysiana, 2017, 46, 1361-1367.	0.3	7
88	Effects of polyhydroxyalkanoate degradation on soil microbial community. Polymer Degradation and Stability, 2016, 131, 9-19.	2.7	28
89	Production of P(3HBâ€ <i>co</i> â€3HHx) with Controlled Compositions by Recombinant <i>Cupriavidus necator</i> Re2058/pCB113 from Renewable Resources. Clean - Soil, Air, Water, 2016, 44, 1234-1241.	0.7	14
90	Chemical-Induced Inhibition of Blue Light-Mediated Seedling Development Caused by Disruption of Upstream Signal Transduction Involving Cryptochromes inArabidopsis thaliana. Plant and Cell Physiology, 2016, 58, pcw181.	1.5	5

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91	Identification of a new polyhydroxyalkanoate (PHA) producer Aquitalea sp. USM4 (JCM 19919) and characterization of its PHA synthase. Journal of Bioscience and Bioengineering, 2016, 122, 550-557.	1.1	26
92	Enzyme-Mimic Peptide Assembly To Achieve Amidolytic Activity. Biomacromolecules, 2016, 17, 3375-3385.	2.6	28
93	Characterization of the depolymerizing activity of commercial lipases and detection of lipase-like activities in animal organ extracts using poly(3-hydroxybutyrate-co-4-hydroxybutyrate) thin film. AMB Express, 2016, 6, 97.	1.4	13
94	A new biological recovery approach for PHA using mealworm, Tenebrio molitor. Journal of Biotechnology, 2016, 239, 98-105.	1.9	86
95	Validation of thermally assisted hydrolysis and methylation-gas chromatography for rapid and direct compositional analysis of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) in whole bacterial cells. Journal of Chromatography A, 2016, 1471, 186-191.	1.8	11
96	Biodegradation of different formulations of polyhydroxybutyrate films in soil. SpringerPlus, 2016, 5, 762.	1.2	122
97	Efficient production of polyhydroxyalkanoates (PHAs) from <i>Pseudomonas mendocina</i> PSU using a biodiesel liquid waste (BLW) as the sole carbon source. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1440-1450.	0.6	32
98	Optimization of <i>Salmonella</i> Typhi biofilm assay on polypropylene microtiter plates using response surface methodology. Biofouling, 2016, 32, 477-487.	0.8	16
99	Rebuttal to the comment on article "Poly(3-hydroxybutyrate)-functionalised multi-walled carbon nanotubes/chitosan green nanocomposite membranes and their application in pervaporation― Separation and Purification Technology, 2016, 158, 94-95.	3.9	2
100	Recovery and subsequent characterization of polyhydroxybutyrate from <i>Rhodococcus equi</i> cells grown on crude palm kernel oil. Journal of Taibah University for Science, 2016, 10, 543-550.	1.1	24
101	Biosynthesis of poly(3-hydroxybutyrate) and its copolymers by Yangia sp. ND199 from different carbon sources. International Journal of Biological Macromolecules, 2016, 84, 361-366.	3.6	15
102	Discovery of a new polyhydroxyalkanoate synthase from limestone soil through metagenomic approach. Journal of Bioscience and Bioengineering, 2016, 121, 355-364.	1.1	12
103	Screening of bacteria for PHA production using waste glycerol as carbon source and the ability of new strain to produce P(3HB-co-3HV) copolymer. Malaysian Journal of Microbiology, 2016, , .	0.1	3
104	Isolation and identification of bacteria and fungi growing spontaneously on polyhydroxyalkanoate pellets recovered by a new biological process. Malaysian Journal of Microbiology, 2016, , .	0.1	0
105	Double-stranded DNA introduction into intact plants using peptide–DNA complexes. Plant Biotechnology, 2015, 32, 39-45.	0.5	21
106	Optimization of Poly(<i>N</i> -isopropylacrylamide) as an Artificial Amidase. Biomacromolecules, 2015, 16, 411-421.	2.6	24
107	A study on the effects of organoclay content and compatibilizer addition on the properties of biodegradable poly(butylene succinate) nanocomposites under natural weathering. Journal of Composite Materials, 2015, 49, 891-902.	1.2	9
108	Analysis of Free Sugar and Starch in Oil Palm Trunks (Elaeis Guineensis Jacq.) from Various Cultivars as a Feedstock for Bioethanol Production. International Journal of Green Energy, 2015, , 150218144136008.	2.1	2

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109	Complete genome sequence of Streptomyces sp. strain CFMR 7, a natural rubber degrading actinomycete isolated from Penang, Malaysia. Journal of Biotechnology, 2015, 214, 47-48.	1.9	11
110	Fabrication and Degradation of Electrospun Polyhydroxyalkanoate Film. Journal of Siberian Federal University - Biology, 2015, 8, 236-253.	0.2	2
111	Characteristics of limestone soil collected from Gunung Lang, Perak and metagenomic analysis of the soil microbial community. Malaysian Journal of Microbiology, 2015, , .	0.1	0
112	RNA-Seq Analysis Provides Insights for Understanding Photoautotrophic Polyhydroxyalkanoate Production in Recombinant Synechocystis Sp PLoS ONE, 2014, 9, e86368.	1.1	32
113	Whole genome amplification approach reveals novel polyhydroxyalkanoate synthases (PhaCs) from Japan Trench and Nankai Trough seawater. BMC Microbiology, 2014, 14, 318.	1.3	19
114	Identification of new rubber-degrading bacterial strains from aged latex. Polymer Degradation and Stability, 2014, 109, 354-361.	2.7	24
115	Biodegradability of Epoxidized Soybean Oil Based Thermosets in Compost Soil Environment. Journal of Polymers and the Environment, 2014, 22, 140-147.	2.4	29
116	Biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxy-4-methylvalerate) by recombinant Escherichia coli expressing leucine metabolism-related enzymes derived from Clostridium difficile. Journal of Bioscience and Bioengineering, 2014, 117, 670-675.	1.1	21
117	Production and modification of nanofibrillated cellulose using various mechanical processes: A review. Carbohydrate Polymers, 2014, 99, 649-665.	5.1	1,046
118	Enhancement of Stress Tolerance in the Polyhydroxyalkanoate Producers without Mobilization of the Accumulated Granules. Applied Biochemistry and Biotechnology, 2014, 172, 1585-1598.	1.4	11
119	Effects of mutation at position 285 of Ralstonia pickettii T1 poly[(R)-3-hydroxybutyrate] depolymerase on its activities. Applied Microbiology and Biotechnology, 2014, 98, 7061-7068.	1.7	3
120	Advances in Polyhydroxyalkanoate (PHA): Unraveling the Development and New Perspectives. Journal of Biobased Materials and Bioenergy, 2014, 8, 118-129.	0.1	8
121	Thermal Properties of Polyhydroxyalkanoates. , 2014, , 441-473.		0
122	Densitometry based microassay for the determination of lipase depolymerizing activity on polyhydroxyalkanoate. AMB Express, 2013, 3, 22.	1.4	9
123	Sustainable production of polyhydroxyalkanoates from renewable oil-palm biomass. Biomass and Bioenergy, 2013, 50, 1-9.	2.9	94
124	Quorum-sensing inhibitory compounds from extremophilic microorganisms isolated from a hypersaline cyanobacterial mat. Journal of Industrial Microbiology and Biotechnology, 2013, 40, 759-772.	1.4	64
125	Biosynthesis and characterization of polyhydroxyalkanoate containing 5-hydroxyvalerate units: Effects of 5HV units on biodegradability, cytotoxicity, mechanical and thermal properties. Polymer Degradation and Stability, 2013, 98, 331-338.	2.7	77
126	Influence of steam treatment on the properties of particleboard made from oil palm trunk with addition of polyhydroxyalkanoates. Industrial Crops and Products, 2013, 51, 334-341.	2.5	17

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127	Polyhydroxyalkanoates from Palm Oil: Biodegradable Plastics. SpringerBriefs in Microbiology, 2013, , .	0.1	16
128	Polyhydroxyalkanoate biosynthesis and simplified polymer recovery by a novel moderately halophilic bacterium isolated from hypersaline microbial mats. Journal of Applied Microbiology, 2013, 114, 384-395.	1.4	34
129	Rapid and Efficient Gene Delivery into Plant Cells Using Designed Peptide Carriers. Biomacromolecules, 2013, 14, 10-16.	2.6	94
130	Directed evolution of poly[(R)-3-hydroxybutyrate] depolymerase using cell surface display system: functional importance of asparagine at position 285. Applied Microbiology and Biotechnology, 2013, 97, 4859-4871.	1.7	16
131	Influence of Thermal Treatment on the Molecular Weights of Polyhydroxyalkanoate Containing 3-Hydroxyhexanoate. Advanced Materials Research, 2013, 812, 250-253.	0.3	3
132	Characterization of Site-Specific Mutations in a Short-Chain-Length/Medium-Chain-Length Polyhydroxyalkanoate Synthase: <i>In Vivo</i> and <i>In Vitro</i> Studies of Enzymatic Activity and Substrate Specificity. Applied and Environmental Microbiology, 2013, 79, 3813-3821.	1.4	32
133	Revisiting the Single Cell Protein Application of Cupriavidus necator H16 and Recovering Bioplastic Granules Simultaneously. PLoS ONE, 2013, 8, e78528.	1.1	61
134	Nitrileâ€functionalized Hg(II)―and Ag(I)â€ <i>N</i> à€heterocyclic carbene complexes: synthesis, crystal structures, nuclease and DNA binding activities. Applied Organometallic Chemistry, 2012, 26, 689-700.	1.7	43
135	Molecular characterisation of phaCAB from Comamonas sp. EB172 for functional expression in Escherichia coli JM109. Microbiological Research, 2012, 167, 550-557.	2.5	11
136	Thermoresponsive Micellization and Micellar Stability of Poly(<i>N</i> -isopropylacrylamide)- <i>b</i> -DNA Diblock and Miktoarm Star Polymers. Langmuir, 2012, 28, 14347-14356.	1.6	36
137	Biodegradability studies of poly(butylene succinate)/organo-montmorillonite nanocomposites under controlled compost soil conditions: Effects of clay loading and compatibiliser. Polymer Degradation and Stability, 2012, 97, 1345-1354.	2.7	125
138	Revelation of the ability of Burkholderia sp. USM (JCM 15050) PHA synthase to polymerize 4-hydroxybutyrate monomer. AMB Express, 2012, 2, 41.	1.4	20
139	Biosynthesis and characterization of polyhydroxyalkanoate containing high 3-hydroxyhexanoate monomer fraction from crude palm kernel oil by recombinant Cupriavidus necator. Bioresource Technology, 2012, 121, 320-327.	4.8	107
140	Efficient ethanol production from separated parenchyma and vascular bundle of oil palm trunk. Bioresource Technology, 2012, 125, 37-42.	4.8	25
141	Potential of Oil Palm Trunk Sap as a Novel Inexpensive Renewable Carbon Feedstock for Polyhydroxyalkanoate Biosynthesis and as a Bacterial Growth Medium. Clean - Soil, Air, Water, 2012, 40, 310-317.	0.7	26
142	Enhanced Recovery and Purification of P(3HB-co-3HHx) from Recombinant Cupriavidus necator Using Alkaline Digestion Method. Applied Biochemistry and Biotechnology, 2012, 167, 524-535.	1.4	24
143	Expression of Aeromonas caviae polyhydroxyalkanoate synthase gene in Burkholderia sp. USM (JCM15050) enables the biosynthesis of SCL-MCL PHA from palm oil products. Journal of Applied Microbiology, 2012, 112, 45-54.	1.4	17
144	Properties of binderless particleboard from oil palm trunk with addition of polyhydroxyalkanoates. Composites Part B: Engineering, 2012, 43, 1109-1116.	5.9	54

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