

Prabhakaran Vasantha-Srinivasan

List of Publications by Year in descending order

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59
papers

2,342
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172457

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docs citations

59
times ranked

995
citing authors

#	ARTICLE	IF	CITATIONS
1	CNC turning process parameters optimization on Aluminium 6082 alloy by using Taguchi and ANOVA. <i>Materials Today: Proceedings</i> , 2020, 21, 1013-1021.	1.8	117
2	Investigation of thermal conductivity and thermal resistance analysis on different combination of natural fiber composites of Banana, Pineapple and Jute. <i>Materials Today: Proceedings</i> , 2020, 21, 976-980.	1.8	105
3	Botanical essential oils and uses as mosquitocides and repellents against dengue. <i>Environment International</i> , 2018, 113, 214-230.	10.0	99
4	Teaching learning optimization and neural network for the effective prediction of heat transfer rates in tube heat exchangers. <i>Thermal Science</i> , 2020, 24, 575-581.	1.1	98
5	Optimal hydraulic and thermal constrain for plate heat exchanger using multi objective wale optimization. <i>Materials Today: Proceedings</i> , 2020, 21, 876-881.	1.8	97
6	Modelling and analysis of different connecting rod material through finite element route. <i>Materials Today: Proceedings</i> , 2020, 21, 971-975.	1.8	96
7	ANN-AGCS for the prediction of temperature distribution and required energy in hot forging process using finite element analysis. <i>Materials Today: Proceedings</i> , 2020, 21, 263-267.	1.8	90
8	Strengthening mechanism of Nd: Yag laser shock peening for commercially pure titanium (CP-Ti) on surface integrity and residual stresses. <i>Materials Today: Proceedings</i> , 2020, 21, 981-987.	1.8	89
9	Anti-dengue efficacy of bioactive andrographolide from <i>Andrographis paniculata</i> (Lamiales:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 163, 167-178.	2.0	88
10	Temperature distribution analysis on diffusion bonded joints of Ti-6Al-4V with AISI 4140 medium carbon steel. <i>Materials Today: Proceedings</i> , 2020, 21, 847-856.	1.8	86
11	Mechanical, Moisture Absorption, and Abrasion Resistance Properties of Bambooâ€“Juteâ€“Glass Fiber Composites. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019, 5, 1.	2.6	68
12	Developmental response of <i>Spodoptera litura</i> Fab. to treatments of crude volatile oil from Piper betle L. and evaluation of toxicity to earthworm, <i>Eudrilus eugeniae</i> Kinb.. <i>Chemosphere</i> , 2016, 155, 336-347.	8.2	64
13	A comparative study on surface strengthening characterisation and residual stresses of dental alloys using laser shock peening. <i>International Journal of Ambient Energy</i> , 2021, 42, 1740-1745.	2.5	61
14	<i>Aspergillus flavus</i> (Link) toxins reduces the fitness of dengue vector <i>Aedes aegypti</i> (Linn.) and their non-target toxicity against aquatic predator. <i>Microbial Pathogenesis</i> , 2019, 128, 281-287.	2.9	61
15	Larvicidal and enzyme inhibition of essential oil from <i>Spheranthus amaranthoids</i> (Burm.) against lepidopteran pest <i>Spodoptera litura</i> (Fab.) and their impact on non-target earthworms. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101324.	3.1	60
16	Toxicity of <i>Alangium salvifolium</i> Wang chemical constituents against the tobacco cutworm <i>Spodoptera litura</i> Fab. <i>Pesticide Biochemistry and Physiology</i> , 2016, 126, 92-101.	3.6	57
17	Natural inspiration technique for the parameter optimization of A-GTAW welding of naval steel. <i>Materials Today: Proceedings</i> , 2020, 21, 843-846.	1.8	57
18	Target and non-target toxicity of botanical insecticide derived from <i>Couroupita guianensis</i> L. flower against generalist herbivore, <i>Spodoptera litura</i> Fab. and an earthworm, <i>Eisenia foetida</i> Savigny. <i>Ecotoxicology and Environmental Safety</i> , 2016, 133, 260-270.	6.0	54

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19	Toxicity and physiological effect of quercetin on generalist herbivore, <i>Spodoptera litura</i> Fab. and a non-target earthworm <i>Eisenia fetida</i> Savigny. <i>Chemosphere</i> , 2016, 165, 257-267.	8.2	53
20	Comparative analysis of mosquito (Diptera: Culicidae: <i>Aedes aegypti</i> Liston) responses to the insecticide Temephos and plant derived essential oil derived from Piper betle L.. <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 439-446.	6.0	49
21	Impact of <i>Terminalia chebula</i> Retz. against <i>Aedes aegypti</i> L. and non-target aquatic predatory insects. <i>Ecotoxicology and Environmental Safety</i> , 2017, 137, 210-217.	6.0	45
22	Physiological and biochemical effects of botanical extract from <i>Piper nigrum</i> Linn (Piperaceae) against the dengue vector <i>Aedes aegypti</i> Liston (Diptera: Culicidae). <i>Parasitology Research</i> , 2015, 114, 4239-4249.	1.6	43
23	Toxicological effects of <i>Sphaeranthus indicus</i> Linn. (Asteraceae) leaf essential oil against human disease vectors, <i>Culex quinquefasciatus</i> Say and <i>Aedes aegypti</i> Linn., and impacts on a beneficial mosquito predator. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10294-10306.	5.3	41
24	Effect of <i>Aspergillus flavus</i> on the mortality and activity of antioxidant enzymes of <i>Spodoptera litura</i> Fab. (Lepidoptera: Noctuidae) larvae. <i>Pesticide Biochemistry and Physiology</i> , 2018, 149, 54-60.	3.6	40
25	Potential mode of action of a novel plumbagin as a mosquito repellent against the malarial vector <i>Anopheles stephensi</i> , (Culicidae: Diptera). <i>Pesticide Biochemistry and Physiology</i> , 2016, 134, 84-93.	3.6	35
26	Acute toxicity of chemical pesticides and plant-derived essential oil on the behavior and development of earthworms, <i>Eudrilus eugeniae</i> (Kinberg) and <i>Eisenia fetida</i> (Savigny). <i>Environmental Science and Pollution Research</i> , 2018, 25, 10371-10382.	5.3	35
27	Synthesis and Characterization of Polypropylene/Ramie Fiber with Hemp Fiber and Coir Fiber Natural Biopolymer Composite for Biomedical Application. <i>International Journal of Polymer Science</i> , 2021, 2021, 1-8.	2.7	34
28	Chemicals isolated from <i>Justicia adhatoda</i> Linn reduce fitness of the mosquito, <i>Aedes aegypti</i> L. <i>Archives of Insect Biochemistry and Physiology</i> , 2017, 94, e21384.	1.5	31
29	A novel herbal product based on Piper betle and <i>Sphaeranthus indicus</i> essential oils: Toxicity, repellent activity and impact on detoxifying enzymes GST and CYP450 of <i>Aedes aegypti</i> Liston (Diptera: Tj ETQq1 0.0.784314rgBT /Ov		
30	Toxicological screening of marine red algae <i>Champia parvula</i> (C. Agardh) against the dengue mosquito vector <i>Aedes aegypti</i> (Linn.) and its non-toxicity against three beneficial aquatic predators. <i>Aquatic Toxicology</i> , 2020, 222, 105474.	4.0	30
31	Target and non-target response of <i>Swietenia Mahagoni</i> Jacq. chemical constituents against tobacco cutworm <i>Spodoptera litura</i> Fab. and earthworm, <i>Eudrilus eugeniae</i> Kinb. <i>Chemosphere</i> , 2018, 199, 35-43.	8.2	28
32	Toxic effect of essential oil and its compounds isolated from <i>Sphaeranthus amaranthoides</i> Burm. f. against dengue mosquito vector <i>Aedes aegypti</i> Linn.. <i>Pesticide Biochemistry and Physiology</i> , 2019, 160, 163-170.	3.6	27
33	Response of <i>Spodoptera litura</i> Fab. (Lepidoptera: Noctuidae) larvae to <i>Citrullus colocynthis</i> L. (Cucurbitales: Cucurbitaceae) chemical constituents: Larval tolerance, food utilization and detoxifying enzyme activities. <i>Physiological and Molecular Plant Pathology</i> , 2018, 101, 16-28.	2.5	24
34	Toxicity and developmental effect of cucurbitacin E from <i>Citrullus colocynthis</i> L. (Cucurbitales: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14 <i>Environmental Science and Pollution Research</i> , 2020, 27, 23390-23401.	5.3	24
35	Toxicological effects of chemical constituents from Piper against the environmental burden <i>Aedes aegypti</i> Liston and their impact on non-target toxicity evaluation against biomonitoring aquatic insects. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10434-10446.	5.3	23
36	Biological activity of chitosan inducing resistance efficiency of rice (<i>Oryza sativa</i> L.) after treatment with fungal based chitosan. <i>Scientific Reports</i> , 2021, 11, 20488.	3.3	23

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37	Biological effects of <i>Avicennia marina</i> (Forssk.) vierh. extracts on physiological, biochemical, and antimicrobial activities against three challenging mosquito vectors and microbial pathogens. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15174-15187.	5.3	22
38	Bioefficacy of <i>Epaltes divaricata</i> (L.) n-Hexane Extracts and Their Major Metabolites against the Lepidopteran Pests <i>Spodoptera litura</i> (fab.) and Dengue Mosquito <i>Aedes aegypti</i> (Linn.). <i>Molecules</i> , 2021, 26, 3695.	3.8	22
39	Target and non-target botanical pesticides effect of <i>Trichodesma indicum</i> (Linn) R. Br. and their chemical derivatives against the dengue vector, <i>Aedes aegypti</i> L.. <i>Environmental Science and Pollution Research</i> , 2019, 26, 16303-16315.	5.3	21
40	Target Activity of <i>Isaria tenuipes</i> (Hypocreales: Clavicipitaceae) Fungal Strains against Dengue Vector <i>Aedes aegypti</i> (Linn.) and Its Non-Target Activity Against Aquatic Predators. <i>Journal of Fungi (Basel,)</i> Tj ETQq0 0 0 rgt /Overlook 10 Tf 5	0.5	10
41	Larvicidal Enzyme Inhibition and Repellent Activity of Red Mangrove <i>Rhizophora mucronata</i> (Lam.) Leaf Extracts and Their Biomolecules against Three Medically Challenging Arthropod Vectors. <i>Molecules</i> , 2020, 25, 3844.	3.8	17
42	Development of an eco-friendly mosquitocidal agent from <i>Alangium salvifolium</i> against the dengue vector <i>Aedes aegypti</i> and its biosafety on the aquatic predator. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10340-10352.	5.3	16
43	Volatile toxin of <i>Limonia acidissima</i> (L.) produced larvicidal, developmental, repellent, and adulticidal toxicity effects on <i>Aedes aegypti</i> (L.). <i>Toxin Reviews</i> , 2022, 41, 119-128.	3.4	16
44	Effects of temperature and nonionizing ultraviolet radiation treatments of eggs of five host insects on production of <i>Trichogramma chilonis</i> Ishii (Hymenoptera: Trichogrammatidae) for biological control applications. <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 1139-1144.	0.9	15
45	Improving the Mechanical Properties of Natural Fiber Composites of Hemp Fiber with Ramie and Banana Fiber through Compression Molding Method. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-8.	1.8	15
46	Comparative efficacy of two mycotoxins against <i>Spodoptera litura</i> Fab. And their non-target activity against <i>Eudrilus eugeniae</i> Kinb.. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109474.	6.0	13
47	Larval and gut enzyme toxicity of n-hexane extract <i>Epaltes pygmaea</i> DC. against the arthropod vectors and its non-toxicity against aquatic predator. <i>Toxin Reviews</i> , 2021, 40, 681-691.	3.4	13
48	Experimental investigation on emissivity of 75Ni-25Cr alloy coated Aluminium surface for the purpose of solar applications. <i>Materials Today: Proceedings</i> , 2021, 37, 1320-1323.	1.8	13
49	Carbon Nanotubes Induce Metabolomic Profile Disturbances in Zebrafish: NMR-Based Metabolomics Platform. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 688827.	3.5	12
50	Chemical characterization of billy goat weed extracts <i>Ageratum conyzoides</i> (Asteraceae) and their mosquitocidal activity against three blood-sucking pests and their non-toxicity against aquatic predators. <i>Environmental Science and Pollution Research</i> , 2021, 28, 28456-28469.	5.3	10
51	Toxicity of Bioactive Molecule <i>Andrographolide</i> against <i>Spodoptera litura</i> Fab and Its Binding Potential with Detoxifying Enzyme <i>Cytochrome P450</i> . <i>Molecules</i> , 2021, 26, 5982.	3.8	9
52	Hybrid Reinforced Composite Material from Garbage to Biomaterials. <i>International Journal of Innovative Technology and Exploring Engineering</i> , 2019, 8, 3346-3349.	0.3	8
53	Efficacy of <i>Precocene I</i> from <i>Desmosstachya bipinnata</i> as an Effective Bioactive Molecules against the <i>Spodoptera litura</i> Fab. and Its Impact on <i>Eisenia fetida</i> Savigny. <i>Molecules</i> , 2021, 26, 6384.	3.8	8
54	The efficacy of methanolic extract of <i>Swietenia mahagoni</i> Jacq. (Meliaceae) and a commercial insecticide against laboratory and field strains of <i>Aedes aegypti</i> (Linn.) and their impact on its predator <i>Toxorhynchites splendens</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 31, 101915.	3.1	7

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55	Characterization of hybrid Aloe Vera/Bamboo/Palm/Kevlar fibers for better mechanical properties. Materials Today: Proceedings, 2021, 37, 2223-2227.	1.8	6
56	Experimental investigation regarding emissivity of black nickel coated on aluminium surface. Materials Today: Proceedings, 2021, 37, 248-251.	1.8	6
57	Larvicidal and repellent activity of N-methyl-1-adamantylamine and oleic acid a major derivative of bael tree ethanol leaf extracts against dengue mosquito vector and their biosafety on natural predator. Environmental Science and Pollution Research, 2022, 29, 15654-15663.	5.3	4
58	Functional identification and characterization of midgut microbial flora derived from lepidopteran larvae Spodoptera litura Fab.. Biocatalysis and Agricultural Biotechnology, 2020, 28, 101758.	3.1	3
59	Enhancement of thermal conductivity in a plate heat exchanger by using nanoparticles CNT, Al ₂ O ₃ , surfactant with de-ionised water as a coolant. International Journal of Ambient Energy, 2021, 42, 648-651.	2.5	3