

# Kishore Paknikar

## List of Publications by Year in descending order

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Version: 2024-02-01

115  
papers

8,635  
citations

61984

43  
h-index

43889

91  
g-index

118  
all docs

118  
docs citations

118  
times ranked

11942  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and characterization of five novel cell lines from snubnose pompano, <i>Trachinotus blochii</i> (Lacepede, 1801), and their application in gene expression and virological studies. <i>Journal of Fish Diseases</i> , 2022, 45, 121-139.	1.9	5
2	Nanotechnology-enabled phytodiagnosics on the brink of farm usage. , 2022, , 263-285.		0
3	On-site detection of nodavirus in post larval (PL) stage of the giant prawn, <i>Macrobrachium rosenbergii</i> : A test to nip the problem in the bud. <i>Aquaculture</i> , 2021, 534, 736292.	3.5	4
4	MicroRNAs. <i>Journal of Cardiovascular Pharmacology</i> , 2021, Publish Ahead of Print, 773-781.	1.9	1
5	miRNA transfection via poly(amidoamine)-based delivery vector prevents hypoxia/reperfusion-induced cardiomyocyte apoptosis. <i>Nanomedicine</i> , 2020, 15, 163-181.	3.3	14
6	Getting more micronutrients from wheat and barley through agronomic biofortification. , 2020, , 53-99.		4
7	Non-nuke HIV-1 inhibitor shuttled by mesoporous silica nanoparticles effectively slows down HIV-1 replication in infected human cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111227.	5.0	14
8	Dual effect of chitosan-based nanoparticles on the inhibition of $\beta$ -amyloid peptide aggregation and disintegration of the preformed fibrils. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3362-3373.	5.8	30
9	RNA-sequencing reveals a multitude of effects of silver nanoparticles on <i>Pseudomonas aeruginosa</i> biofilms. <i>Environmental Science: Nano</i> , 2019, 6, 1812-1828.	4.3	24
10	Smart triblock dendritic unimolecular micelles as pioneering nanomaterials: Advancement pertaining to architecture and biomedical applications. <i>Journal of Controlled Release</i> , 2019, 299, 64-89.	9.9	32
11	Implications of Microbial Thiosulfate Utilization in Red Clay Sediments of the Central Indian Basin: The Martian Analogy. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 708-729.	2.5	3
12	Development of a nano-gold immunodiagnostic assay for rapid on-site detection of invasive aspergillosis. <i>Journal of Medical Microbiology</i> , 2019, 68, 1341-1352.	1.8	9
13	Assessment of an Integrative Anticancer Treatment Using an in Vitro Perfusion-Enabled 3D Breast Tumor Model. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1407-1417.	5.2	5
14	Carbon nanospheres mediated nuclear delivery of SMAR1 protein (DNA binding domain) controls breast tumor in mice model. <i>Nanomedicine</i> , 2018, 13, 353-372.	3.3	5
15	Inhibition of $\beta$ -Amyloid Aggregation through a Designed $\beta$ -Hairpin Peptide. <i>Langmuir</i> , 2018, 34, 1591-1600.	3.5	38
16	Zinc use efficiency is enhanced in wheat through nanofertilization. <i>Scientific Reports</i> , 2018, 8, 6832.	3.3	91
17	A facile one-step method for cell lysis and DNA extraction of waterborne pathogens using a microchip. <i>Biosensors and Bioelectronics</i> , 2018, 99, 62-69.	10.1	22
18	Magneto-Conducting Core/Shell Nanoparticles for Biomedical Applications. <i>ChemNanoMat</i> , 2018, 4, 151-164.	2.8	19

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19	Decapeptide functionalized targeted mesoporous silica nanoparticles with doxorubicin exhibit enhanced apoptotic effect in breast and prostate cancer cells. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7669-7680.	6.7	61
20	A robust pH-sensitive unimolecular dendritic nanocarrier that enables targeted anti-cancer drug delivery via GLUT transporters. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 437-444.	5.0	32
21	Mesoporous silica nanoparticles as cutting-edge theranostics: Advancement from merely a carrier to tailor-made smart delivery platform. <i>Journal of Controlled Release</i> , 2018, 287, 35-57.	9.9	69
22	Nanocarrier-mediated foliar zinc fertilization influences expression of metal homeostasis related genes in flag leaves and enhances gluten content in durum wheat. <i>PLoS ONE</i> , 2018, 13, e0191035.	2.5	30
23	Applications of cobalt ferrite nanoparticles in biomedical nanotechnology. <i>Nanomedicine</i> , 2018, 13, 1221-1238.	3.3	194
24	Zinc complexed chitosan/TPP nanoparticles: A promising micronutrient nanocarrier suited for foliar application. <i>Carbohydrate Polymers</i> , 2017, 165, 394-401.	10.2	141
25	Folate/ N -acetyl glucosamine conjugated mesoporous silica nanoparticles for targeting breast cancer cells: A comparative study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 203-212.	5.0	47
26	Differential dose-dependent effects of zinc oxide nanoparticles on oxidative stress-mediated pancreatic $\beta$ -cell death. <i>Nanomedicine</i> , 2017, 12, 745-759.	3.3	9
27	Lateral flow assay for rapid detection of white spot syndrome virus (WSSV) using a phage-displayed peptide as bio-recognition probe. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 4459-4469.	3.6	11
28	Triptorelin Tethered Multifunctional PAMAM-Histidine-PEG Nanoconstructs Enable Specific Targeting and Efficient Gene Silencing in LHRH Overexpressing Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35562-35573.	8.0	43
29	In vitro and in vivo studies of a novel bacterial cellulose-based acellular bilayer nanocomposite scaffold for the repair of osteochondral defects. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 6437-6459.	6.7	48
30	Field-Usable Lateral Flow Immunoassay for the Rapid Detection of White Spot Syndrome Virus (WSSV). <i>PLoS ONE</i> , 2017, 12, e0169012.	2.5	30
31	Hyperthermia mediated by dextran-coated La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> nanoparticles: in vivo studies. <i>International Journal of Nanomedicine</i> , 2016, 11, 1779.	6.7	16
32	Carbon nanospheres mediated delivery of nuclear matrix protein SMAR1 to direct experimental autoimmune encephalomyelitis in mice. <i>International Journal of Nanomedicine</i> , 2016, 11, 2039.	6.7	6
33	<i>In vitro</i> studies on the pleotropic antidiabetic effects of zinc oxide nanoparticles. <i>Nanomedicine</i> , 2016, 11, 1671-1687.	3.3	21
34	A high affinity phage-displayed peptide as a recognition probe for the detection of Salmonella Typhimurium. <i>Journal of Biotechnology</i> , 2016, 231, 40-45.	3.8	22
35	Chitosan nanoparticles synthesis caught in action using microdroplet reactions. <i>Scientific Reports</i> , 2016, 6, 22260.	3.3	42
36	Radio-frequency triggered heating and drug release using doxorubicin-loaded LSMO nanoparticles for bimodal treatment of breast cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 878-890.	5.0	25

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37	Three-dimensional scaffold of gelatin-poly(methyl vinyl ether-alt-maleic anhydride) for regenerative medicine: Proliferation and differentiation of mesenchymal stem cells. <i>Journal of Bioactive and Compatible Polymers</i> , 2016, 31, 273-290.	2.1	3
38	Temperature-dependent and time-dependent effects of hyperthermia mediated by dextran-coated La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> : in vitro studies. <i>International Journal of Nanomedicine</i> , 2015, 10, 1609.	6.7	11
39	Jasada bhasma, a Zinc-Based Ayurvedic Preparation: Contemporary Evidence of Antidiabetic Activity Inspires Development of a Nanomedicine. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-9.	1.2	14
40	Applications of bacterial cellulose and its composites in biomedicine. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2491-2511.	3.6	270
41	Lanthanum strontium manganese oxide (LSMO) nanoparticles: a versatile platform for anticancer therapy. <i>RSC Advances</i> , 2015, 5, 60254-60263.	3.6	30
42	Fruit peels support higher yield and superior quality bacterial cellulose production. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 6677-6691.	3.6	65
43	Synthesis of Monodisperse Chitosan Nanoparticles and in Situ Drug Loading Using Active Microreactor. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 22839-22847.	8.0	44
44	Fluorescent cadmium telluride quantum dots embedded chitosan nanoparticles: a stable, biocompatible preparation for bio-imaging. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015, 26, 42-56.	3.5	23
45	Development of immunosensor using magnetic nanoparticles and circular microchannels in PDMS. <i>Microelectronic Engineering</i> , 2014, 115, 66-69.	2.4	23
46	Zinc oxide nanoparticles show antidiabetic activity in streptozotocin-induced Type 1 and 2 diabetic rats. <i>Nanomedicine</i> , 2014, 9, 89-104.	3.3	168
47	Dextran stabilized lanthanum strontium manganese oxide nanoparticles for magnetic resonance imaging. <i>RSC Advances</i> , 2013, 3, 18489.	3.6	29
48	A hollow nanogold/meso-magnetite composite: pulsed laser synthesis, properties, and biosensing application. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	0
49	Radio frequency induced hyperthermia mediated by dextran stabilized LSMO nanoparticles: in vitro evaluation of heat shock protein response. <i>Nanotechnology</i> , 2013, 24, 015102.	2.6	19
50	Anticancer Activity of Indian Stingless Bee Propolis: An In Vitro Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-10.	1.2	57
51	Anti-diabetic activity and safety assessment of Ayurvedic medicine, Jasada bhasma (zinc ash) in rats. <i>Indian Journal of Experimental Biology</i> , 2013, 51, 811-22.	0.0	7
52	Antimicrobial activity of stingless bee ( <i>Trigona</i> sp.) propolis used in the folk medicine of Western Maharashtra, India. <i>Journal of Ethnopharmacology</i> , 2012, 141, 363-367.	4.1	68
53	Bioremediation of Arsenic from Contaminated Water. , 2012, , 477-523.		1
54	Reply to comment on "Reductive dechlorination of <sup>13</sup> C-hexachlorocyclohexane using Fe-Pd bimetallic nanoparticles", by C. Noubactep. <i>Journal of Hazardous Materials</i> , 2012, 235-236, 392-393.	12.4	2

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55	Multiplexed Detection of Waterborne Pathogens in Circular Microfluidics. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 1668-1677.	2.9	39
56	In situ synthesis of Au nanoparticles in 3D circular microchannels in PDMS using a simple and reliable molding method. <i>Microelectronic Engineering</i> , 2012, 90, 104-107.	2.4	6
57	Nanotoxicology and in vitro studies: The need of the hour. <i>Toxicology and Applied Pharmacology</i> , 2012, 258, 151-165.	2.8	456
58	Ayurvedic Medicine Zinc Bhasma: Physicochemical Evaluation, Anti-Diabetic Activity and Safety Assessment. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 148-149.	1.1	14
59	Perspectives for nano-biotechnology enabled protection and nutrition of plants. <i>Biotechnology Advances</i> , 2011, 29, 792-803.	11.7	834
60	Quantum dot based immunosensor using 3D circular microchannels fabricated in PDMS. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3050-3053.	10.1	20
61	Reductive dechlorination of $\hat{1}^3$ -hexachlorocyclohexane using Feâ€Pd bimetallic nanoparticles. <i>Journal of Hazardous Materials</i> , 2010, 175, 680-687.	12.4	99
62	Flocculation of dimorphic yeast <i>Benjaminiella poitrasii</i> is altered by modulation of NAD-glutamate dehydrogenase. <i>Bioresource Technology</i> , 2010, 101, 1393-1395.	9.6	9
63	Interactions of silver nanoparticles with primary mouse fibroblasts and liver cells. <i>Toxicology and Applied Pharmacology</i> , 2009, 236, 310-318.	2.8	300
64	Tumor suppressor protein SMAR1 modulates the roughness of cell surface: combined AFM and SEM study. <i>BMC Cancer</i> , 2009, 9, 350.	2.6	50
65	Atomic force microscopy, biochemical analysis of 3T3-L1 cells differentiated in the absence and presence of insulin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 57-64.	2.4	4
66	Silver Nanoparticles in Therapeutics: Development of an Antimicrobial Gel Formulation for Topical Use. <i>Molecular Pharmaceutics</i> , 2009, 6, 1388-1401.	4.6	512
67	Isolation and characterization of selenite- and selenate-tolerant microorganisms from selenium-contaminated sites. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 1607-1611.	3.6	38
68	Biodegradation of $\hat{1}^3$ -hexachlorocyclohexane (Lindane) by a non-white rot fungus <i>conidiobolus</i> 03-1-56 isolated from litter. <i>Indian Journal of Microbiology</i> , 2008, 48, 134-141.	2.7	43
69	Iron-nickel bimetallic nanoparticles for reductive degradation of azo dye Orange G in aqueous solution. <i>Applied Catalysis B: Environmental</i> , 2008, 79, 270-278.	20.2	295
70	Cellular responses induced by silver nanoparticles: In vitro studies. <i>Toxicology Letters</i> , 2008, 179, 93-100.	0.8	634
71	Hydrazine Based Facile Synthesis and Ordered Assembly of Metal Nanoparticles (Au, Ag) on a Bacterial Surface Layer Protein Template. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 3565-3569.	0.9	16
72	SMAR1-derived P44 Peptide Retains Its Tumor Suppressor Function through Modulation of p53. <i>Journal of Biological Chemistry</i> , 2007, 282, 9902-9913.	3.4	25

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73	Microwave Response of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Nanoparticles for Heating Applications. <i>Journal of Biomedical Nanotechnology</i> , 2007, 3, 178-183.	1.1	7
74	Discovery of the Cell Secretion Machinery. <i>Journal of Biomedical Nanotechnology</i> , 2007, 3, 218-222.	1.1	14
75	Effect of Surface Chemistry of Fe <sup>2+</sup> Ni Nanoparticles on Mechanistic Pathways of Azo Dye Degradation. <i>Environmental Science &amp; Technology</i> , 2007, 41, 7437-7443.	10.0	151
76	Protein and polymer immobilized La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> nanoparticles for possible biomedical applications. <i>Nanotechnology</i> , 2007, 18, 345101.	2.6	51
77	Taguchi approach significantly increases bioremediation process efficiency: a case study with Hg (II) removal by <i>Pseudomonas aeruginosa</i> . <i>Letters in Applied Microbiology</i> , 2007, 45, 36-41.	2.2	5
78	Landmark discoveries in intracellular transport and secretion. <i>Journal of Cellular and Molecular Medicine</i> , 2007, 11, 393-397.	3.6	15
79	Nanogoldpharmaceutics. <i>Gold Bulletin</i> , 2007, 40, 245-250.	2.7	79
80	Cerium doping and stoichiometry control for biomedical use of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> nanoparticles: microwave absorption and cytotoxicity study. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2006, 2, 217-221.	3.3	35
81	Degradation of lindane from aqueous solutions using iron sulfide nanoparticles stabilized by biopolymers. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 370-374.	6.1	131
82	Micronutrient Deficiencies as Predisposing Factors for Hypertension in Lacto-Vegetarian Indian Adults. <i>Journal of the American College of Nutrition</i> , 2004, 23, 239-247.	1.8	36
83	Thiosulfate biodegradation—silver biosorption process for the treatment of photofilm processing wastewater. <i>Process Biochemistry</i> , 2003, 38, 855-860.	3.7	33
84	Bioreduction of tellurite to elemental tellurium by <i>Pseudomonas mendocina</i> MCM B-180 and its practical application. <i>Hydrometallurgy</i> , 2003, 71, 243-248.	4.3	50
85	Extracellular synthesis of silver nanoparticles by a silver-tolerant yeast strain MKY3. <i>Nanotechnology</i> , 2003, 14, 95-100.	2.6	679
86	Microbial Synthesis of Semiconductor PbS Nanocrystallites. <i>Advanced Materials</i> , 2002, 14, 815.	21.0	243
87	Microbial synthesis of semiconductor CdS nanoparticles, their characterization, and their use in the fabrication of an ideal diode. <i>Biotechnology and Bioengineering</i> , 2002, 78, 583-588.	3.3	339
88	Arsenic (III) oxidizing <i>Microbacterium lacticum</i> and its use in the treatment of arsenic contaminated groundwater. <i>Letters in Applied Microbiology</i> , 2002, 34, 258-262.	2.2	48
89	Bioremediation technologies for wastewaters using metabolically active microorganisms. <i>Advances in Applied Microbiology</i> , 2001, 48, 135-169.	2.4	24
90	Comparative studies on metal biosorption by two strains of <i>Cladosporium cladosporioides</i> . <i>Bioresource Technology</i> , 2001, 80, 211-215.	9.6	74

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91	Biodetoxification of silver-cyanide from electroplating industry wastewater. Letters in Applied Microbiology, 2000, 30, 33-37.	2.2	55
92	Development of a process for biodetoxification of metal cyanides from waste waters. Process Biochemistry, 2000, 35, 1139-1151.	3.7	124
93	Title is missing!. World Journal of Microbiology and Biotechnology, 2000, 16, 631-634.	3.6	5
94	Influence of co-cations on biosorption of lead and zinc – a comparative evaluation in binary and multimetal systems. Bioresource Technology, 1999, 70, 269-276.	9.6	76
95	A comparative study of the mass transfer kinetics of metal biosorption by microbial biomass. Hydrometallurgy, 1999, 52, 189-197.	4.3	99
96	Biosorption of Lead, Cadmium, and Zinc by Citrobacter Strain MCM B-181: Characterization Studies. Biotechnology Progress, 1999, 15, 228-237.	2.6	208
97	Title is missing!. Biotechnology Letters, 1999, 21, 913-919.	2.2	58
98	Comparative Performance of Pearl millet-and Sorghum- based Diets vs. Wheat-and Rice-based Diets for Trace Metal Bioavailability. Journal of Trace Elements in Medicine and Biology, 1999, 13, 215-219.	3.0	12
99	Removal and recovery of metal-cyanides from industrial effluents. Process Metallurgy, 1999, , 707-715.	0.1	5
100	Development of microbial bisorbents – a need for standardization of experimental protocols. Process Metallurgy, 1999, , 363-372.	0.1	2
101	Fortification of vegetarian diets for increasing bioavailable iron density using green leafy vegetables. Food Research International, 1999, 32, 169-174.	6.2	39
102	Entrapment of particles from suspensions using Aspergillus species. Process Metallurgy, 1999, 9, 725-730.	0.1	0
103	Biochemical basis of chromate reduction by Pseudomonas mendocina. Process Metallurgy, 1999, 9, 105-114.	0.1	7
104	Reduction of soil pH using Thiobacillus cultures. Process Metallurgy, 1999, , 717-723.	0.1	1
105	Bioremediation of hexavalent chromium in soil microcosms. Biotechnology Letters, 1998, 20, 749-751.	2.2	53
106	Effect of riboflavin supplementation on zinc and iron absorption and growth performance in mice. Biological Trace Element Research, 1998, 65, 109-115.	3.5	16
107	Recovery of gold from solutions using Cladosporium cladosporioides biomass beads. Journal of Biotechnology, 1998, 63, 121-136.	3.8	91
108	Biosorption of lead and zinc from solutions using Streptovercillium cinnamoneum waste biomass. Journal of Biotechnology, 1997, 55, 113-124.	3.8	194

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109	Effect of nicotinic acid on zinc and iron metabolism. <i>BioMetals</i> , 1997, 10, 271-276.	4.1	17
110	Plasmid mediated chromate resistance and reduction in <i>Pseudomonas mendocina</i> MCM B-180. <i>Biotechnology Letters</i> , 1996, 18, 1119-1122.	2.2	13
111	Microbiological process for the removal of Cr(VI) from chromate-bearing cooling tower effluent. <i>Biotechnology Letters</i> , 1996, 18, 667-672.	2.2	60
112	Assessment of pearl millet vs rice based diets for bioavailability of four trace metals. <i>Plant Foods for Human Nutrition</i> , 1995, 48, 149-158.	3.2	27
113	Cadmium biosorption by <i>Streptomyces pimprina</i> waste biomass. <i>Applied Microbiology and Biotechnology</i> , 1995, 43, 1118-1121.	3.6	50
114	Apparent Absorption of Copper and Zinc from Composite Vegetarian Diets in Young Indian Men. <i>Annals of Nutrition and Metabolism</i> , 1994, 38, 13-19.	1.9	13
115	Production of chelating compounds by yeasts in a microbial copper leaching system and its practical implications. <i>Bulletin of Materials Science</i> , 1988, 10, 477-478.	1.7	1