

# Kiran Kalia

## List of Publications by Year in descending order

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77  
papers

4,001  
citations

147801

31  
h-index

128289

60  
g-index

77  
all docs

77  
docs citations

77  
times ranked

4754  
citing authors

#	ARTICLE	IF	CITATIONS
1	Employment of enhanced permeability and retention effect (EPR): Nanoparticle-based precision tools for targeting of therapeutic and diagnostic agent in cancer. <i>Materials Science and Engineering C</i> , 2019, 98, 1252-1276.	7.3	536
2	Artificial intelligence in drug discovery and development. <i>Drug Discovery Today</i> , 2021, 26, 80-93.	6.4	501
3	Piezoelectric smart biomaterials for bone and cartilage tissue engineering. <i>Inflammation and Regeneration</i> , 2018, 38, 2.	3.7	245
4	Tumor microenvironment targeted nanotherapeutics for cancer therapy and diagnosis: A review. <i>Acta Biomaterialia</i> , 2020, 101, 43-68.	8.3	215
5	Recent updates on GLP-1 agonists: Current advancements & challenges. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 952-962.	5.6	157
6	Overview of oral cavity squamous cell carcinoma: Risk factors, mechanisms, and diagnostics. <i>Oral Oncology</i> , 2021, 121, 105451.	1.5	120
7	Diabetic nephropathy: New insights into established therapeutic paradigms and novel molecular targets. <i>Diabetes Research and Clinical Practice</i> , 2017, 128, 91-108.	2.8	118
8	Functionalized carbon nanotubes as emerging delivery system for the treatment of cancer. <i>International Journal of Pharmaceutics</i> , 2018, 548, 540-558.	5.2	117
9	Nanomedicines accessible in the market for clinical interventions. <i>Journal of Controlled Release</i> , 2021, 330, 372-397.	9.9	111
10	The use of nanoscaffolds and dendrimers in tissue engineering. <i>Drug Discovery Today</i> , 2017, 22, 652-664.	6.4	108
11	Novel nanosystems for the treatment of ocular inflammation: Current paradigms and future research directions. <i>Journal of Controlled Release</i> , 2017, 268, 19-39.	9.9	101
12	Exosomal miRNA in chemoresistance, immune evasion, metastasis and progression of cancer. <i>Drug Discovery Today</i> , 2019, 24, 2058-2067.	6.4	89
13	â€Dendrimer-Cationized-Albuminâ€™ encrusted polymeric nanoparticle improves BBB penetration and anticancer activity of doxorubicin. <i>International Journal of Pharmaceutics</i> , 2019, 555, 77-99.	5.2	89
14	Kaempferol attenuates diabetic nephropathy by inhibiting RhoA/Rho-kinase mediated inflammatory signalling. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 1610-1619.	5.6	88
15	Nanogold-core multifunctional dendrimer for pulsatile chemo-, photothermal- and photodynamic-therapy of rheumatoid arthritis. <i>Journal of Colloid and Interface Science</i> , 2019, 544, 61-77.	9.4	73
16	Kaempferol in ameliorating diabetes-induced fibrosis and renal damage: An in vitro and in vivo study in diabetic nephropathy mice model. <i>Phytomedicine</i> , 2020, 76, 153235.	5.3	70
17	Plant-Derived Bioactive Peptides: A Treatment to Cure Diabetes. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 955-968.	1.9	64
18	Smart Piezoelectric Nanohybrid of Poly(3-hydroxybutyrate- <i>co</i> -3-hydroxyvalerate) and Barium Titanate for Stimulated Cartilage Regeneration. <i>ACS Applied Bio Materials</i> , 2019, 2, 4922-4931.	4.6	61

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19	Recent advances in exosome-based nanovehicles as RNA interference therapeutic carriers. <i>Nanomedicine</i> , 2017, 12, 2653-2675.	3.3	58
20	Exosome mediated miR-155 delivery confers cisplatin chemoresistance in oral cancer cells via epithelial-mesenchymal transition. <i>Oncotarget</i> , 2020, 11, 1157-1171.	1.8	56
21	Astaxanthin ameliorates behavioral and biochemical alterations in in-vitro and in-vivo model of neuropathic pain. <i>Neuroscience Letters</i> , 2018, 674, 162-170.	2.1	55
22	Cognitive dysfunction: A growing link between diabetes and Alzheimer's disease. <i>Drug Development Research</i> , 2020, 81, 144-164.	2.9	54
23	Crosstalk between endoplasmic reticulum stress and oxidative stress in schizophrenia: The dawn of new therapeutic approaches. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 83, 589-603.	6.1	47
24	Exosome-mediated delivery of miR-30a sensitize cisplatin-resistant variant of oral squamous carcinoma cells via modulating Beclin1 and Bcl2. <i>Oncotarget</i> , 2020, 11, 1832-1845.	1.8	47
25	Mesenchymal Stem Cell-Derived Exosomes Loaded with miR-155 Inhibitor Ameliorate Diabetic Wound Healing. <i>Molecular Pharmaceutics</i> , 2022, 19, 1294-1308.	4.6	42
26	Multifunctional polymeric micellar nanomedicine in the diagnosis and treatment of cancer. <i>Materials Science and Engineering C</i> , 2021, 126, 112186.	7.3	41
27	MiR-155 Inhibitor-Laden Exosomes Reverse Resistance to Cisplatin in a 3D Tumor Spheroid and Xenograft Model of Oral Cancer. <i>Molecular Pharmaceutics</i> , 2021, 18, 3010-3025.	4.6	40
28	Stroke Management: An Emerging Role of Nanotechnology. <i>Micromachines</i> , 2017, 8, 262.	2.9	38
29	Mitochondrial Dysfunction in Stroke: Implications of Stem Cell Therapy. <i>Translational Stroke Research</i> , 2019, 10, 121-136.	4.2	37
30	Surface Engineered Dendrimers in siRNA Delivery and Gene Silencing. <i>Current Pharmaceutical Design</i> , 2017, 23, 2952-2975.	1.9	35
31	Non-enzymatic glycosylation of immunoglobulins in diabetic nephropathy. <i>Clinica Chimica Acta</i> , 2004, 347, 169-176.	1.1	33
32	Method and its Composition for encapsulation, stabilization, and delivery of siRNA in Anionic polymeric nanoplex: An In vitro- In vivo Assessment. <i>Scientific Reports</i> , 2019, 9, 16047.	3.3	33
33	Green graphene nanoplates for combined photo-chemo-thermal therapy of triple-negative breast cancer. <i>Nanomedicine</i> , 2020, 15, 581-601.	3.3	31
34	Understanding molecular upsets in diabetic nephropathy to identify novel targets and treatment opportunities. <i>Drug Discovery Today</i> , 2020, 25, 862-878.	6.4	31
35	Fast dissolving electrospun polymeric films of anti-diabetic drug repaglinide: formulation and evaluation. <i>Drug Development and Industrial Pharmacy</i> , 2019, 45, 1921-1930.	2.0	27
36	miR-29b attenuates histone deacetylase-4 mediated podocyte dysfunction and renal fibrosis in diabetic nephropathy. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 13-27.	1.9	27

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37	Computational drug repurposing study elucidating simultaneous inhibition of entry and replication of novel corona virus by Grazoprevir. <i>Scientific Reports</i> , 2021, 11, 7307.	3.3	27
38	Structural features regulated photoluminescence intensity and cell internalization of carbon and graphene quantum dots for bioimaging. <i>Materials Science and Engineering C</i> , 2021, 129, 112366.	7.3	27
39	Current Scenario and Future Prospect in the Management of COVID-19. <i>Current Medicinal Chemistry</i> , 2020, 28, 284-307.	2.4	23
40	Nanotechnology in the diagnosis and treatment of stroke. <i>Drug Discovery Today</i> , 2021, 26, 585-592.	6.4	22
41	Pyruvate Kinase M2: a Metabolic Bug in Re-Wiring the Tumor Microenvironment. <i>Cancer Microenvironment</i> , 2019, 12, 149-167.	3.1	21
42	Efficacy of urinary N-acetyl- $\beta$ -D-glucosaminidase to evaluate early renal tubular damage as a consequence of type 2 diabetes mellitus: a cross-sectional study. <i>International Journal of Diabetes in Developing Countries</i> , 2015, 35, 449-457.	0.8	17
43	Recent advancements and future submissions of silica core-shell nanoparticles. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121173.	5.2	17
44	Laser activatable nanographene colloids for chemo-photothermal combined gene therapy of triple-negative breast cancer. <i>Materials Science and Engineering C</i> , 2022, 133, 112605.	7.3	16
45	Genetic alterations of the PIK3CA oncogene in human oral squamous cell carcinoma in an Indian population. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 120, 628-635.	0.4	15
46	Cyclo-RGD Truncated Polymeric Nanoconstruct with Dendrimeric Templates for Targeted HDAC4 Gene Silencing in a Diabetic Nephropathy Mouse Model. <i>Molecular Pharmaceutics</i> , 2021, 18, 641-666.	4.6	15
47	miR29b regulates aberrant methylation in In-Vitro diabetic nephropathy model of renal proximal tubular cells. <i>PLoS ONE</i> , 2018, 13, e0208044.	2.5	14
48	Genetic profile of <i>PTEN</i> gene in Indian oral squamous cell carcinoma primary tumors. <i>Journal of Oral Pathology and Medicine</i> , 2017, 46, 106-111.	2.7	12
49	Evaluating the Role of Microglial Cells in Clearance of $A\beta$ from Alzheimer's Brain. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1149-1156.	3.5	12
50	Neuroimmune crosstalk and evolving pharmacotherapies in neurodegenerative diseases. <i>Immunology</i> , 2021, 162, 160-178.	4.4	12
51	Nanomaterials assisted chemo-photothermal therapy for combating cancer drug resistance. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 70, 103164.	3.0	11
52	Single nucleotide polymorphism rs17849071 G/T in the PIK3CA gene is inversely associated with oral cancer. <i>Oral Cancer</i> , 2018, 2, 83-89.	0.3	10
53	Characterization of low molecular weight urinary proteins at varying time intervals in type 2 diabetes mellitus and diabetic nephropathy patients. <i>Diabetology and Metabolic Syndrome</i> , 2019, 11, 39.	2.7	10
54	Advances in Studies on Stroke-Induced Secondary Neurodegeneration (SND) and Its Treatment. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 1154-1168.	2.1	10

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55	Dendrimer grafted albumin nanoparticles for the treatment of post cerebral stroke damages: A proof of concept study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110488.	5.0	9
56	Emerging role of nanomedicine in the treatment of neuropathic pain. <i>Journal of Drug Targeting</i> , 2020, 28, 11-22.	4.4	9
57	Nanostructured Hyaluronic Acid-based Materials for the Delivery of siRNA. <i>Current Pharmaceutical Design</i> , 2018, 24, 2678-2691.	1.9	9
58	Evolving Evidence of Calreticulin as a Pharmacological Target in Neurological Disorders. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2629-2646.	3.5	8
59	Engineered nanoplex mediated targeted miRNA delivery to rescue dying podocytes in diabetic nephropathy. <i>International Journal of Pharmaceutics</i> , 2021, 605, 120842.	5.2	8
60	Role of miRNAs in Cancer Diagnostics and Therapy: A Recent Update. <i>Current Pharmaceutical Design</i> , 2022, 28, 471-487.	1.9	8
61	Evolving nanoformulation strategies for diagnosis and clinical interventions for Parkinson's disease. <i>Drug Discovery Today</i> , 2020, 25, 392-405.	6.4	7
62	Diabetic nephropathy and associated risk factors for renal deterioration. <i>International Journal of Diabetes in Developing Countries</i> , 2012, 32, 52-59.	0.8	6
63	MicroRNA-29b Modulates $\beta$ -Secretase Activity in SH-SY5Y Cell Line and Diabetic Mouse Brain. <i>Cellular and Molecular Neurobiology</i> , 2020, 40, 1367-1381.	3.3	6
64	Targeting specificity protein 1 with miR-128-3p overcomes TGF- $\beta$ 1 mediated epithelial-mesenchymal transition in breast cancer: An in vitro study. <i>Molecular Biology Reports</i> , 2022, 49, 6987-6996.	2.3	6
65	A therapeutic approach towards microRNA29 family in vascular diabetic complications: A boon or curse?. <i>Journal of Diabetes and Metabolic Disorders</i> , 2019, 18, 243-254.	1.9	5
66	Exosomes in multidrug-resistant cancer. <i>Current Opinion in Pharmacology</i> , 2020, 54, 109-120.	3.5	5
67	Emerging roles and biopharmaceutical applications of milk derived exosomes. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 64, 102577.	3.0	5
68	Exploration of Potent Cytotoxic Molecules from Fungi in Recent Past to Discover Plausible Anticancer Scaffolds. <i>Chemistry and Biodiversity</i> , 2022, 19, e202100976.	2.1	5
69	Design and In-silico Screening of Peptide Nucleic Acid (PNA) Inspired Novel Pronucleotide Scaffolds Targeting COVID-19. <i>Current Computer-Aided Drug Design</i> , 2022, 18, 26-40.	1.2	4
70	Angiotensin converting enzyme (ACE) gene polymorphism increases the susceptibility of diabetic nephropathy in Western Indian Type 2 diabetic patients. <i>International Journal of Diabetes in Developing Countries</i> , 2011, 31, 223-228.	0.8	3
71	Polymorphisms in Mn-SOD and EC-SOD gene and risk of nephropathy in Western Indian Type 2 diabetic patients. <i>International Journal of Diabetes in Developing Countries</i> , 2013, 33, 229-235.	0.8	3
72	Current Standing and Technical Guidance on Intracellular Drug Quantification: A New Site Specific Bioavailability Prediction Approach. <i>Critical Reviews in Analytical Chemistry</i> , 2020, 50, 50-61.	3.5	3

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73	Urinary IgG is a pure strong indicator of diabetic nephropathy than microalbuminuria in type 2 diabetic patients. <i>International Journal of Diabetes in Developing Countries</i> , 2013, 33, 46-54.	0.8	2
74	Dendronized Polymeric Biomaterial for Loading, Stabilization, and Targeted Cytosolic Delivery of microRNA in Cancer Cells. <i>ACS Applied Bio Materials</i> , 2022, 5, 4128-4153.	4.6	2
75	Modulation of CD44, EGFR and RAC Pathway Genes (WAVE Complex) in Epithelial Cancers. <i>Current Pharmaceutical Design</i> , 2019, 25, 833-848.	1.9	1
76	Cytotoxic Bioanthracene and Macrocyclic Polyester from Endolichenic Fungus <i>Talaromyces pinophilus</i> : In-Vitro and In-Silico Analysis. <i>Indian Journal of Microbiology</i> , 2022, 62, 204-214.	2.7	1
77	Bioactive Properties and Metabolite Profiles of Endolichenic Fungi in Mangrove Ecosystem of Negombo Lagoon, Sri Lanka. <i>Natural Product Communications</i> , 2021, 16, 1934578X2110486.	0.5	0