

# Ekta Kohli

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

885  
citations

516710

16  
h-index

454955

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1102  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Greater Reactivity of Estradiol-3,4-quinone vs Estradiol-2,3-quinone with DNA in the Formation of Depurinating Adducts: Implications for Tumor-Initiating Activity. <i>Chemical Research in Toxicology</i> , 2006, 19, 164-172.	3.3	160
2	Structural basis of nucleotide exchange and client binding by the Hsp70 cochaperone Bag2. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 1309-1317.	8.2	85
3	Formulations of biodegradable Nanogel carriers with 5'-triphosphates of nucleoside analogs that display a reduced cytotoxicity and enhanced drug activity. <i>Journal of Controlled Release</i> , 2007, 121, 19-27.	9.9	69
4	Cross-Linked Polymeric Nanogel Formulations of 5'-Triphosphates of Nucleoside Analogues: Role of the Cellular Membrane in Drug Release. <i>Molecular Pharmaceutics</i> , 2005, 2, 449-461.	4.6	58
5	Comparison of Nanogel Drug Carriers and their Formulations with Nucleoside 5'-Triphosphates. <i>Pharmaceutical Research</i> , 2006, 23, 920-930.	3.5	52
6	Chronic exposure of zinc oxide nanoparticles causes deviant phenotype in <i>Drosophila melanogaster</i> . <i>Journal of Hazardous Materials</i> , 2017, 327, 180-186.	12.4	43
7	Acetoxy drug: Protein transacetylase catalyzed activation of human platelet nitric oxide synthase by polyphenolic peracetates. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 575-583.	3.0	42
8	Mechanism of biochemical action of substituted 4-methylbenzopyran-2-ones. Part 7: assay and characterization of 7,8-diacetoxy-4-methylcoumarin:protein transacetylase from rat liver microsomes based on the irreversible inhibition of cytosolic glutathione S-Transferase. <i>Bioorganic and Medicinal Chemistry</i> , 2000, 8, 1707-1712.	3.0	37
9	Establishment of the enzymatic protein acetylation independent of acetyl CoA: recombinant glutathione S-transferase 3-3 is acetylated by a novel membrane-bound transacetylase using 7,8-diacetoxy-4-methyl coumarin as the acetyl donor. <i>FEBS Letters</i> , 2002, 530, 139-142.	2.8	37
10	Hypobaric Hypoxia Imbalances Mitochondrial Dynamics in Rat Brain Hippocampus. <i>Neurology Research International</i> , 2015, 2015, 1-12.	1.3	33
11	Polymeric nanogels containing the triphosphate form of cytotoxic nucleoside analogues show antitumor activity against breast and colorectal cancer cell lines. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 3373-3380.	4.1	32
12	Mechanism of biochemical action of substituted benzopyran-2-ones. part 8: acetoxycoumarin: protein transacetylase specificity for aromatic nuclear acetoxy groups in proximity to the oxygen heteroatom. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 1085-1089.	3.0	31
13	Mechanism of biochemical action of substituted 4-methylbenzopyran-2-ones. Part 9: Comparison of acetoxy 4-methylcoumarins and other polyphenolic acetates reveal the specificity to acetoxy drug: protein transacetylase for pyran carbonyl group in proximity to the oxygen heteroatom. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 4103-4111.	3.0	28
14	Aluminum oxide nanoparticles mediated toxicity, loss of appendages in progeny of <i>Drosophila melanogaster</i> on chronic exposure. <i>Nanotoxicology</i> , 2019, 13, 977-989.	3.0	27
15	Comparison of the Prevention of Aflatoxin B1-Induced Genotoxicity by Quercetin and Quercetin Pentaacetate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 2579-2582.	2.2	26
16	Biochemical Basis of the Interaction between Cystic Fibrosis Transmembrane Conductance Regulator and Immunoglobulin-like Repeats of Filamin. <i>Journal of Biological Chemistry</i> , 2010, 285, 17166-17176.	3.4	20
17	Brain and COVID-19 Crosstalk: Pathophysiological and Psychological Manifestations. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3194-3203.	3.5	17
18	Post-synthetic modification of graphene quantum dots bestows enhanced biosensing and antibiofilm ability: efficiency facet. <i>RSC Advances</i> , 2022, 12, 12310-12320.	3.6	12

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19	Mechanism of biochemical action of substituted 4-methylbenzopyran-2-ones. Part 10: identification of inhibitors for the liver microsomal acetoxy coumarin: protein transacetylase. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 1015-1019.	3.0	10
20	Acetoxy drug: protein transacetylase: A novel enzyme-mediated protein acetylation by polyphenolic peracetates. <i>Pure and Applied Chemistry</i> , 2005, 77, 245-250.	1.9	10
21	Calreticulin transacylase: Genesis, mechanism of action and biological applications. <i>Biochimie</i> , 2010, 92, 1173-1179.	2.6	7
22	Hypobaric hypoxia induced renal damage is mediated by altering redox pathway. <i>PLoS ONE</i> , 2018, 13, e0195701.	2.5	7
23	&lt;l&gt;In Vitro&lt;/l&gt; Cytotoxicity Assessment of Metal Oxide Nanoparticles. <i>Nanomedicine and Nanobiology</i> , 2014, 1, 10-19.	0.4	7
24	Lipase-mediated synthesis of sugarâ€™PEG-based amphiphiles for encapsulation and stabilization of indocyanine green. <i>RSC Advances</i> , 2017, 7, 37534-37541.	3.6	6
25	Nano-cubes over nano-spheres: shape dependent study of silver nanomaterial for biological applications. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	6
26	Effects of extremely low-frequency electromagnetic field on different developmental stages of <i>Drosophila melanogaster</i> . <i>International Journal of Radiation Biology</i> , 2021, 97, 1606-1616.	1.8	5
27	Hypothermic preconditioning attenuates hypobaric hypoxia induced spatial memory impairment in rats. <i>Behavioural Brain Research</i> , 2022, 416, 113568.	2.2	3
28	Exploring hydrophobic diastereomeric 2,6-anhydro-glycoheptitols for their enzymatic polymerization with PEG: towards delivery applications. <i>New Journal of Chemistry</i> , 2020, 44, 15369-15375.	2.8	2
29	Protein Profile of Human Lung Epithelial Cells (A549) Revealing Deviation in Cytoskeleton Proteins in Response to Zinc Oxide Nanoparticles Exposure. <i>Defence Life Science Journal</i> , 2020, 5, 163-172.	0.3	2
30	Alteration in cerebral blood flow, kynurenes with respect to mood profile in freshly recruited armed forces personnel. <i>Journal of Psychiatric Research</i> , 2022, 149, 155-161.	3.1	2
31	A Combination of Synthetic Molecules Acts as Antifreeze for the Protection of Skin against Cold-Induced Injuries. <i>ACS Applied Bio Materials</i> , 2022, 5, 252-264.	4.6	2
32	Advances in Electromagnetic Therapy for Wound Healing. <i>Defence Life Science Journal</i> , 2018, 3, 293.	0.3	1
33	The Competence of 7,8-Diacetoxy-4-Methylcoumarin and Other Polyphenolic Acetates in Mitigating the Oxidative Stress and their Role in Angiogenesis. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 179-86.	2.1	1
34	Corrigendum to: Establishment of the enzymatic protein acetylation independent of acetyl CoA: recombinant glutathione S-transferase 3-3 is acetylated by a novel membrane-bound transacetylase		