

# Ajay Kumar

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45  
papers

4,945  
citations

33  
h-index

47  
g-index

47  
ext. papers

5,359  
ext. citations

7.8  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
45	Polymer synthesis by in vitro enzyme catalysis. <i>Chemical Reviews</i> , <b>2001</b> , 101, 2097-124	68.1	620
44	KLF2 Is a novel transcriptional regulator of endothelial proinflammatory activation. <i>Journal of Experimental Medicine</i> , <b>2004</b> , 199, 1305-15	16.6	528
43	Prevalence of diabetes and prediabetes in 15 states of India: results from the ICMR-INDIAB population-based cross-sectional study. <i>Lancet Diabetes and Endocrinology</i> , <b>2017</b> , 5, 585-596	18.1	372
42	Kruppel-like factor 2 (KLF2) regulates endothelial thrombotic function. <i>Circulation Research</i> , <b>2005</b> , 96, e48-57	15.7	278
41	Kruppel-like factor 4 regulates endothelial inflammation. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 13769-79	9.4	258
40	Kruppel-like factor 2 as a novel mediator of statin effects in endothelial cells. <i>Circulation</i> , <b>2005</b> , 112, 720-6	16.7	248
39	Candida antarctica lipase B catalyzed polycaprolactone synthesis: effects of organic media and temperature. <i>Biomacromolecules</i> , <b>2000</b> , 1, 133-8	6.9	244
38	Kruppel-like factor 2 (KLF2) regulates proinflammatory activation of monocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 6653-8	11.5	193
37	Efficient Ring-Opening Polymerization and Copolymerization of $\epsilon$ -Caprolactone and $\epsilon$ -Pentadecalactone Catalyzed by Candida antarctica Lipase B. <i>Macromolecules</i> , <b>2000</b> , 33, 6303-6309	5.5	160
36	Tumor necrosis factor alpha-mediated reduction of KLF2 is due to inhibition of MEF2 by NF-kappaB and histone deacetylases. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 5893-903	4.8	129
35	Development of a second generation anti-Müllerian hormone (AMH) ELISA. <i>Journal of Immunological Methods</i> , <b>2010</b> , 362, 51-9	2.5	128
34	Lipase-catalyzed polycondensations: effect of substrates and solvent on chain formation, dispersity, and end-group structure. <i>Biomacromolecules</i> , <b>2003</b> , 4, 544-51	6.9	128
33	Human papillomavirus oncoprotein E6 inactivates the transcriptional coactivator human ADA3. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 5801-12	4.8	124
32	Physical characterization of poly( $\epsilon$ -pentadecalactone) synthesized by lipase-catalyzed ring-opening polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2001</b> , 39, 1721-1729	2.6	113
31	Cocrystallization of random copolymers of omega-pentadecalactone and epsilon-caprolactone synthesized by lipase catalysis. <i>Biomacromolecules</i> , <b>2005</b> , 6, 902-7	6.9	111
30	Versatile Route to Polyol Polyesters by Lipase Catalysis. <i>Macromolecules</i> , <b>2003</b> , 36, 8219-8221	5.5	108
29	Mild, solvent-free omega-hydroxy acid polycondensations catalyzed by candida antarctica lipase B. <i>Biomacromolecules</i> , <b>2004</b> , 5, 62-8	6.9	97

28	Solvent-Free Adipic Acid/1,8-Octanediol Condensation Polymerizations Catalyzed by <i>Candida antarctica</i> Lipase B. <i>Macromolecules</i> , <b>2004</b> , 37, 35-40	5.5	94
27	<i>Candida antarctica</i> Lipase B-Catalyzed Transesterification: New Synthetic Routes to Copolyesters. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 11767-11770	16.4	84
26	Histone and DNA methylation-mediated epigenetic downregulation of endothelial Kruppel-like factor 2 by low-density lipoprotein cholesterol. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 1936-42	9.4	83
25	Kinetics and Mechanism of <i>Candida antarctica</i> Lipase B Catalyzed Solution Polymerization of $\epsilon$ -Caprolactone. <i>Macromolecules</i> , <b>2003</b> , 36, 5530-5536	5.5	82
24	Human papillomavirus type 16 E6-induced degradation of E6TP1 correlates with its ability to immortalize human mammary epithelial cells. <i>Journal of Virology</i> , <b>2001</b> , 75, 4459-66	6.6	69
23	Probing Water-Temperature Relationships for Lipase-Catalyzed Lactone Ring-Opening Polymerizations. <i>Macromolecules</i> , <b>2002</b> , 35, 5444-5448	5.5	64
22	Copolymerizations of $\epsilon$ -Pentadecalactone and Trimethylene Carbonate by Chemical and Lipase Catalysis. <i>Macromolecules</i> , <b>2001</b> , 34, 3527-3533	5.5	63
21	p53 impairs endothelial function by transcriptionally repressing Kruppel-Like Factor 2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 133-41	9.4	53
20	Human papilloma virus 16 E6 oncoprotein inhibits retinoic X receptor-mediated transactivation by targeting human ADA3 coactivator. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 45611-8	5.4	51
19	Kruppel-like factor 2 inhibits protease activated receptor-1 expression and thrombin-mediated endothelial activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 1185-9	9.4	49
18	Canonical Wnt signaling induces vascular endothelial dysfunction via p66Shc-regulated reactive oxygen species. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 2301-9	9.4	48
17	Chemoenzymatic Synthesis of New Brush Copolymers Comprising Poly( $\epsilon$ -pentadecalactone) with Unusual Thermal and Crystalline Properties. <i>Macromolecules</i> , <b>2004</b> , 37, 1243-1250	5.5	48
16	PKN binds and phosphorylates human papillomavirus E6 oncoprotein. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 14824-30	5.4	48
15	The high-risk human papillomavirus type 16 E6 counters the GAP function of E6TP1 toward small Rap G proteins. <i>Journal of Virology</i> , <b>2003</b> , 77, 1614-20	6.6	42
14	Detection of serum antimüllerian hormone in women approaching menopause using sensitive antimüllerian hormone enzyme-linked immunosorbent assays. <i>Menopause</i> , <b>2014</b> , 21, 1277-86	2.5	37
13	Mass-Selective Lipase-Catalyzed Poly( $\epsilon$ -caprolactone) Transesterification Reactions. <i>Macromolecules</i> , <b>2002</b> , 35, 6858-6866	5.5	35
12	<i>Candida antarctica</i> lipase B catalyzed polymerization of lactones: Effects of immobilization matrices on polymerization kinetics & molecular weight. <i>Industrial Biotechnology</i> , <b>2005</b> , 1, 126-134	1.3	31
11	Recognition by Lipases of $\epsilon$ -Hydroxyl Macroinitiators for Diblock Copolymer Synthesis. <i>Macromolecules</i> , <b>2002</b> , 35, 7606-7611	5.5	28

10	Transcriptional repression of Kruppel like factor-2 by the adaptor protein p66shc. <i>FASEB Journal</i> , <b>2009</b> , 23, 4344-52	0.9	25
9	Minnelide/Triptolide Impairs Mitochondrial Function by Regulating SIRT3 in P53-Dependent Manner in Non-Small Cell Lung Cancer. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160783	3.7	25
8	Biocompatibility of sorbitol-containing polyesters. Part I: Synthesis, surface analysis and cell response in vitro. <i>Biomaterials</i> , <b>2004</b> , 25, 4195-201	15.6	15
7	The Impact of the Biological Variability or Assay Performance on AMH Measurements: A Prospective Cohort Study With AMH Tested on Three Analytical Assay-Platforms. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 603	5.7	14
6	Impact of triptolide during ex vivo lung perfusion on grafts after transplantation in a rat model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> ,	1.5	7
5	Triptolide-induced apoptosis in non-small cell lung cancer via a novel miR204-5p/Caveolin-1/Akt-mediated pathway. <i>Oncotarget</i> , <b>2020</b> , 11, 2793-2806	3.3	4
4	Nitrite attenuates mitochondrial impairment and vascular permeability induced by ischemia-reperfusion injury in the lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2020</b> , 318, L580-L591	5.8	3
3	Biocompatibility of Sorbitol-Containing Polyesters: Synthesis, Surface Analysis, and Cell Response In Vitro. <i>ACS Symposium Series</i> , <b>2005</b> , 343-353	0.4	1
2	Lipase-Catalyzed Polytransesterification Reactions. <i>ACS Symposium Series</i> , <b>2002</b> , 172-186	0.4	1
1	Variations in glycated haemoglobin with age among individuals with normal glucose tolerance: Implications for diagnosis and treatment-Results from the ICMR-INDIAB population-based study (INDIAB-12). <i>Acta Diabetologica</i> , <b>2021</b> , 1	3.9	0