Abhay H Pande

List of Publications by Year
in descending order

40 papers	630 citations	687363 13 h-index	610901 24 g-index
40 all docs	40 docs citations	40 times ranked	665 citing authors

#	Article	IF	Citations
1	HDL, ApoA-I and ApoE-Mimetic Peptides: Potential Broad Spectrum Agent for Clinical Use?. International Journal of Peptide Research and Therapeutics, 2022, 28, 1.	1.9	4
2	Therapeutic potential of ApoE-mimetic peptides in CNS disorders: Current perspective. Experimental Neurology, 2022, 353, 114051.	4.1	8
3	Optimization of medium composition to increase the expression of recombinant human interferon-Î² using the Plackettâ€“Burman and central composite design in E. coli SE1. 3 Biotech, 2021, 11, 226.	2.2	7
4	ApoE-Derived Peptides Attenuated Diabetes-Induced Oxidative Stress and Inflammation. Protein and Peptide Letters, 2020, 27, 193-200.	0.9	4
5	Protein Chimerization: A New Frontier for Engineering Protein Therapeutics with Improved Pharmacokinetics. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 703-714.	2.5	17
6	Is Human Paraoxonase 1 the Saviour Against the Persistent Threat of Organophosphorus Nerve Agents?. Protein and Peptide Letters, 2019, 26, 471-478.	0.9	2
7	Antibiotic-free expression system for the production of human interferon-beta protein. 3 Biotech, 2018, 8, 36.	2.2	6
8	Towards Understanding the Catalytic Mechanism of Human Paraoxonase 1: Experimental and In Silico Mutagenesis Studies. Applied Biochemistry and Biotechnology, 2017, 182, 1642-1662.	2.9	6
9	Refolded Recombinant Human Paraoxonase 1 Variant Exhibits Prophylactic Activity Against Organophosphate Poisoning. Applied Biochemistry and Biotechnology, 2016, 180, 165-176.	2.9	10
10	Organophosphate-Hydrolyzing Enzymes as First-Line of Defence Against Nerve Agent-Poisoning: Perspectives and the Road Ahead. Protein Journal, 2016, 35, 424-439.	1.6	18
11	Toward Understanding the Catalytic Mechanism of Human Paraoxonase 1: Site-Specific Mutagenesis at Position 192. PLoS ONE, 2016, 11, e0147999.	2.5	17
12	Expression and purification of biologically active recombinant human paraoxonase 1 from inclusion bodies of Escherichia coli. Protein Expression and Purification, 2015, 115, 95-101.	1.3	14
13	Expression, purification and immobilization of recombinant AiiA enzyme onto magnetic nanoparticles. Protein Expression and Purification, 2015, 113, 56-62.	1.3	17
14	Improving storage stability of recombinant organophosphorus hydrolase. Protein Expression and Purification, 2015, 111, 28-35.	1.3	7
15	Improving Properties of Recombinant SsoPox by Site-Specific Pegylation. Protein and Peptide Letters, 2015, 22, 1098-1103.	0.9	4
16	Human Paraoxonase 1 as a Pharmacologic Agent: Limitations and Perspectives. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	9
17	Properties of apolipoprotein E derived peptide modulate their lipid-binding capacity and influence their anti-inflammatory function. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 620-629.	2.4	10
18	Stabilization Studies on Bacterially Produced Human Paraoxonase 1 for Improving Its Shelf Life. Applied Biochemistry and Biotechnology, 2014, 172, 3798-3809.	2.9	9

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19	Interplay between amino acid residues at positions 192 and 115 in modulating hydrolytic activities of human paraoxonase 1. Biochimie, 2014, 105, 202-210.	2.6	9
20	Characterization of human paraoxonase 1 variants suggest that His residues at 115 and 134 positions are not always needed for the lactonase/arylesterase activities of the enzyme. Protein Science, 2013, 22, 1799-1807.	7.6	12
21	Physicochemical properties of bacterial pro-inflammatory lipids influence their interaction with apolipoprotein-derived peptides. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 853-862.	2.4	9
22	Oxidized-phospholipids in reconstituted high density lipoprotein particles affect structure and function of recombinant paraoxonase 1. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 1714-1720.	2.4	8
23	Differential interaction of peptides derived from C-terminal domain of human apolipoprotein E with platelet activating factor analogs. Biochimie, 2013, 95, 1196-1207.	2.6	2
24	The Chemical Nature of the Polar Functional Group of Oxidized Acyl Chain Uniquely Modifies the Physicochemical Properties of Oxidized Phospholipid-Containing Lipid Particles. Journal of Membrane Biology, 2013, 246, 443-452.	2.1	3
25	Apolipoprotein E Derived Peptides Inhibit the Pro-Inflammatory Effect of Lysophosphatidylcholine. Protein and Peptide Letters, 2013, 21, 101-107.	0.9	2
26	Oxidized phospholipid content destabilizes the structure of reconstituted high density lipoprotein particles and changes their function. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 1200-1210.	2.4	13
27	Membrane lipid composition differentially modulates the function of human plasma platelet activating factor-acetylhydrolase. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 46-56.	2.4	14
28	Closely related oxidized phospholipids differentially modulate the physicochemical properties of lipid particles. Chemistry and Physics of Lipids, 2011, 164, 54-61.	3.2	6
29	Oxidatively modified fatty acyl chain determines physicochemical properties of aggregates of oxidized phospholipids. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 442-452.	2.6	28
30	Peptide derived from the lipid binding domain of Group IB human pancreatic phospholipase A2 possesses antibacterial activity. Biochimie, 2009, 91, 1387-1393.	2.6	1
31	Membrane surface charge modulates lipoprotein complex forming capability of peptides derived from the C-terminal domain of apolipoprotein E. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1366-1376.	2.6	11
32	Preferential binding of apolipoprotein E derived peptides with oxidized phospholipid. Biochemical and Biophysical Research Communications, 2009, 380, 71-75.	2.1	9
33	Conformational Instability of the Cholera Toxin A1 Polypeptide. Journal of Molecular Biology, 2007, 374, 1114-1128.	4.2	66
34	The Pertussis Toxin S1 Subunit Is a Thermally Unstable Protein Susceptible to Degradation by the 20S Proteasomeâ€. Biochemistry, 2006, 45, 13734-13740.	2.5	39
35	Isoform-Specific Membrane Insertion of Secretory Phospholipase A2 and Functional Implications. Biochemistry, 2006, 45, 12436-12447.	2.5	33
36	Membrane Fluidity Is a Key Modulator of Membrane Binding, Insertion, and Activity of 5-Lipoxygenase. Biophysical Journal, 2005, 88, 4084-4094.	0.5	94

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37	Modulation of Human 5-Lipoxygenase Activity by Membrane Lipids. Biochemistry, 2004, 43, 14653-14666.	2.5	43
38	The N-terminal Î±-Helix of Pancreatic Phospholipase A2 Determines Productive-mode Orientation of the Enzyme at the Membrane Surface. Journal of Molecular Biology, 2004, 344, 71-89.	4.2	46
39	Carbohydrate induced modulation of cell membrane VII. Binding of exogenous lectin increases osmofragility of erythrocytes. FEBS Letters, 1998, 427, 21-24.	2.8	8
40	Carbohydrate induced modulation of cell membrane. VI. Binding of exogenous lectin induces susceptibility of erythrocytes to free radical damage: a spin label study. FEBS Letters, 1997, 406, 255-258.	2.8	5