

ANNEXURE-II

TOP PAPERS PUBLISHED BY CSIR DURING 2005

1.	RECONSTRUCTING THE ORIGIN OF ANDAMAN ISLANDERS : Thangaraj-K Chaubey-G Kivisild-T Reddy-AG Singh-VK Rasalkar-AA Singh-L	SCIENCE 2005, Vol 308, Iss 5724, pp 996-996	31.853	CCMB
2.	TRACING MODERN HUMAN ORIGINS - RESPONSE Thangaraj-K Chaubey-G Kivisild-T Reddy-AG Singh-VK Rasalkar-AA Singh-L	SCIENCE 2005, Vol 309, Iss 5743, pp 1996-1997	31.853	CCMB
3.	INDIA RESEARCH-AND-DEVELOPMENT - REACHING FOR THE TOP : Mashelkar-RA	SCIENCE 2005, Vol 307, Iss 5714, pp 1415-1417	31.853	HQ
4.	HEALTH INNOVATION NETWORKS TO HELP DEVELOPING-COUNTRIES ADDRESS NEGLECTED DISEASES : Morel-CM Acharya-T Broun-D Dang-AJ Elias-C Ganguly-NK Gardner-CA Gupta-RK Haycock-J Heher-AD Hotez-P	SCIENCE 2005, Vol 309, Iss 5733, pp 401-404	31.853	HQ
5.	ISSUES IN INDIAN SCIENCE – RESPONSE : Mashelkar-RA	SCIENCE 2005, Vol 309, Iss 5734, pp 557-558	31.853	HQ
6.	COMMENT ON THE GREAT SUMATRA-ANDAMAN EARTHQUAKE OF 26 DECEMBER 2004 : Neetu-S Suresh-I Shankar-R Shankar-D Shenoj-SSC Shetye-SR Sundar-D Nagarajan-B	SCIENCE 2005, Vol 310, Iss 5753, pp U1-U2	31.853	NIO
7.	BIOSCIENCE IN INDIA - TIMES ARE CHANGING : Dhawan-J Gokhale-RS Verma-IM	CELL 2005, Vol 123, Iss 5, pp 743-745	28.389	CCMB
8.	A CRITICAL ROLE FOR CYCLIN-E IN CELL FATE DETERMINATION IN THE CENTRAL-NERVOUS-SYSTEM OF DROSOPHILA-MELANOGASTER : Berger-C Pallavi-SK Prasad-M Shashidhara-LS Technau-GM	NATURE CELL BIOLOGY 2005, Vol 7, Iss 1, pp 56+	20.649	CCMB
9.	GLOBAL IMPAIRMENT OF THE UBIQUITIN-PROTEASOME SYSTEM BY NUCLEAR OR CYTOPLASMIC PROTEIN AGGREGATES PRECEDES INCLUSION-BODY FORMATION : Bennett-EJ Bence-NF Jayakumar-R Kopito-RR	MOLECULAR CELL 2005, Vol 17, Iss 3, pp 351-365	16.811	CLRI
10.	SYNERGISTIC RECOGNITION OF AN EPIGENETIC DNA ELEMENT BY PLEIOHOMEOTIC AND A POLYCOMB CORE COMPLEX : Mohd-Sarip, A., Cléard, F., Mishra, R.K., Karch, F., Verrijzer, C.P.	GENES & DEVELOPMENT 2005, 19 (15): 1755-1760.	16.385	CCMB
11.	NEF-MEDIATED LIPID RAFT EXCLUSION OF UBC7 INHIBITS CBL ACTIVITY IN T CELLS TO POSITIVELY REGULATE SIGNALING : Alison Slimmons, Bevin	IMMUNITY 2005,23, 621-634,	15.448	IICT

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12.	STEM CELLS IN POSTNATAL MYOGENESIS: MOLECULAR MECHANISMS OF SATELLITE CELL QUIESCENCE, ACTIVATION AND REPLENISHMENT : Dhawan J Thomas A. Rando	TRENDS IN CELL BIOLOGY 2005 Dec;15(12):666-73	14.327	CCMB
13.	DEVELOPMENT OF NANOPHOSPHORS - A REVIEW : Chander-H	MATERIALS SCIENCE & ENGINEERING R-REF 2005, Vol 49, Iss 5, pp 113-155	14.233	NPL
14.	CONFORMATIONALLY CONSTRAINED PNA ANALOGS - STRUCTURAL EVOLUTION TOWARD DNA/RNA BINDING SELECTIVITY : Kumar-VA Ganesh- KN	ACCOUNTS OF CHEMICAL RESEARCH 2005, Vol 38, Iss 5, pp 404-412	13.154	NCL
15.	CHEMISTRY OF SQUARAIN- DERIVED MATERIALS - NEAR-IR DYES, LOW-BAND-GAP SYSTEMS, AND CATION SENSORS : Ajayaghosh-A	ACCOUNTS OF CHEMICAL RESEARCH 2005, Vol 38, Iss 6, pp 449-459	13.154	RRLTVM
16.	A D-AMINO-ACID EDITING MODULE COUPLED TO THE TRANSLATIONAL APPARATUS IN ARCHAEA : Dwivedi-S Kruparani-SP Sankaranarayanan-R	NATURE STRUCTURAL & MOLECULAR BIOLO 2005, Vol 12, Iss 6, pp 556-557	12.000	CCMB
17.	PHOTOISOMERIZATION OF DIBENZOBARRELENES - A FACILE ROUTE TO POLYCYCLIC SYNTHONS : Ramaiah-D Sajimon- MC Joseph-J George-MV	CHEMICAL SOCIETY REVIEWS 2005, Vol 34, Iss 1, pp 48-57	10.836	RRLTVM
18.	GENETIC ASSOCIATION, POSTTRANSLATIONAL MODIFICATION, AND PROTEIN- PROTEIN INTERACTIONS IN TYPE- 2 DIABETES-MELLITUS : Sharma-A Chavali-S Mahajan-A Tabassum-R Banerjee-V Tandon-N Bharadwaj-D	MOLECULAR & CELLULAR PROTEOMICS 2005, Vol 4, Iss 8, pp 1029-1037	9.624	IGIB
19.	ELECTROCHEMICAL ADDRESSING OF THE OPTICAL PROPERTIES OF A MONOLAYER ON A TRANSPARENT CONDUCTING SUBSTRATE : A. D. Shukla, A. Das, Milko E. van der Boom;	ANGEWANDTE CHEMIE-INTERNATIONAL EDI 2005,44[21] , 3237-3240.	9.161	CSMCRI
20.	NUCLEOBASES IN MOLECULAR RECOGNITION: MOLECULAR ADDUCTS OF ADENINE AND CYTOSINE WITH COOH FUNCTIONAL GROUPS : Sathyanarayana Reddy Perumalla, E. Suresh, Venkateswara Rao Pedireddi;	ANGEWANDTE CHEMIE-INTERNATIONAL EDI 2005,44 [47] , 7752-7757	9.161	CSMCRI
21.	17-BETA-ESTRADIOL-ASSOCIATED STEALTH-LIPOSOMAL DELIVERY OF ANTICANCER GENE TO BREAST-CANCER CELLS : Reddy- BS Banerjee-R	ANGEWANDTE CHEMIE-INTERNATIONAL EDI 2005, Vol 44, Iss 41, pp 6723-6727	9.161	IICT
22.	9/11 MIXED HELICES IN	ANGEWANDTE CHEMIE-INTERNATIONAL EDI	9.161	IICT

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23.	HYDROGEN PROCESSING BY FE-III-EXCHANGED MONTMORILLONITE - A UNIQUE GEOCHEMICAL PROTOCOL : Choudary-BM Kantam-ML Ranganath-KVS Rao-KK	ANGEWANDTE CHEMIE-INTERNATIONAL EDI 2005, Vol 44, Iss 2, pp 322-325	9.161	IICT
24.	SIMULTANEOUS CONVERSION OF METHANE AND METHANOL INTO GASOLINE OVER BIFUNCTIONAL GA-MODIFIED, ZN-MODIFIED, IN-MODIFIED, AND/OR MO-MODIFIED ZSM-5 ZEOLITES : Choudhary-VR Mondal-KC Mulla-SAR	ANGEWANDTE CHEMIE-INTERNATIONAL EDI 2005, Vol 44, Iss 28, pp 4381-4385	9.161	NCL
25.	NUCLEOBASES IN MOLECULAR RECOGNITION: MOLECULAR ADDUCTS OF ADENINE AND CYTOSINE WITH COOH FUNCTIONAL GROUPS : Perumalla, S.R.;Suresh, E.;Pedireddi, V.R.	ANGEWANDTE CHEMIE-INTERNATIONAL EDI 44(47), 7752(2005)	9.161	NCL
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27.	PROGRESS IN THE DESIGN OF LOW-MOLECULAR-WEIGHT THROMBIN INHIBITORS : Srivastava-S Goswami-LN Dikshit-DK	MEDICINAL RESEARCH REVIEWS 2005, Vol 25, Iss 1, pp 66-92	8.418	CDRI
28.	FIGHTING TUBERCULOSIS - AN OLD DISEASE WITH NEW CHALLENGES Tripathi-RP Tewari-N Dwivedi-N Tiwari-VK	MEDICINAL RESEARCH REVIEWS 2005, Vol 25, Iss 1, pp 93-131	8.418	CDRI
29.	BIOLEACHING OF SAND BY THE FUNGUS FUSARIUM-OXYSPORUM AS A MEANS OF PRODUCING EXTRACELLULAR SILICA NANOPARTICLES : Bansal-V Sanyal-A Rautaray-D Ahmad-A Sastry-M	ADVANCED MATERIALS 2005, Vol 17, Iss 7, pp 889+	8.079	NCL
30.	RECENT ADVANCES ON TIO ₂ -ZRO ₂ MIXED OXIDES AS CATALYSTS AND CATALYST SUPPORTS : Reddy-BM Khan-A	CATALYSIS REVIEWS-SCIENCE AND ENGINEE 2005, Vol 47, Iss 2, pp 257-296	8.000	IICT
31.	FURANOFLAVONOIDS - AN OVERVIEW : Maurya-R Yadav-PP	NATURAL PRODUCT REPORTS 2005, Vol 22, Iss 3, pp 400-424	7.890	CDRI
32.	ALTERED PRE-LAMIN-A PROCESSING IS A COMMON MECHANISM LEADING TO LIPODYSTROPHY : Capanni-C Mattioli-E Columbaro-M Lucarelli-E Parnaik-VK Novelli-G Wehnert-M Cenni-V Maraldi-NM Squar	HUMAN MOLECULAR GENETICS 2005, Vol 14, Iss 11, pp 1489-1502	7.801	CCMB
33.	SEQUESTRATION OF PRB BY	MOLECULAR BIOLOGY OF THE CELL	7.517	CCMB

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34. MYCOBACTERIUM
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35. KINETIC RESOLUTION OF
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36. NUCLEOSIDE DIPHOSPHATE
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37. THE EFFECT OF OSMOLYTES AND
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38. SWITCHING DNA-BINDING
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39. CHARACTERIZATION OF THE DNA-
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41. BHAIRPRED - PREDICTION OF
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44.	BCIPEP: A DATABASE OF B-CELL EPITOPES : Saha, S.; Bhasin, M. and Raghava, G.P.S	NUCLEIC ACIDS RESEARCH 2005, http://www3.oup.co.uk/nar/database/summ	7.260	IMTECH
45.	HAPTENDB: A DATABASE OF HAPTEN MOLECULES : Singh, M.K.; Srivastava, S.; Raghava, G.P.S. and Varshney, G.C	NUCLEIC ACIDS RESEARCH 2005, http://www3.oup.co.uk/nar/database/summ	7.260	IMTECH
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47.	TGF-BETA-1 HAPLOTYPES AND ASTHMA IN INDIAN POPULATIONS : Nagpal-K Sharma-S BRao-C Nahid-S Niphadkar-PV Sharma-SK Ghosh-B	JOURNAL OF ALLERGY AND CLIMATOLOGY 2005, Vol 115, Iss 3, pp 527-533	7.205	IGIB
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50.	SIGNALING INTERACTIONS BETWEEN SQUAMOUS AND COLUMNAR EPITHELIA OF THE DROSOPHILA WING DISC : Pallavi-SK Shashidhara-LS	JOURNAL OF CELL SCIENCE 2005, Vol 118, Iss 15, pp 3363-3370	6.910	CCMB
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52.	FORMATION OF AN INFINITE 2D-LAYERED WATER OF (H ₂ O) ₄₅ CLUSTER IN A CRYPTAND-WATER	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 2005, Vol 127, Iss 38, pp 13132-13133	6.903	CSMCRI

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58. (SR/RS)-CYCLOHEXANYL PNAS -
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FORMATION WITH RNA :
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59. SELECTIVE DETECTION OF
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USING GOLD NANORODS :
Sudeep-PK Joseph-STS Thomas-KG
61. SELECTIVE CALCIUM-ION
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60. SELECTIVE DETECTION OF
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63. CORE-MODIFIED EXPANDED PORPHYRINS WITH LARGE THIRD-ORDER NONLINEAR OPTICAL RESPONSE (COMMUNICATIONS) :
Rath H Sankar J Prabhuraja V Chandrashekar TK Nag A Goswami D
64. DETERMINATION OF VARIANTS IN THE 3-REGION OF THE TYROSINASE GENE REQUIRES LOCUS-SPECIFIC AMPLIFICATION :
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65. MUTATIONS IN ANIONIC TRYPSINOGEN GENE ARE NOT ASSOCIATED WITH TROPICAL CALCIFIC PANCREATITIS : Idris-MM Bhaskar-S Reddy-DN Mani-KR Rao-GV Singh-L Chandak-GR
66. SUSCEPTIBILITY OF MICE GENETICALLY DEFICIENT IN THE SURFACTANT PROTEIN (SP)-A OR SP-D GENE TO PULMONARY HYPERSENSITIVITY INDUCED BY ANTIGENS AND ALLERGENS OF ASPERGILLUS FUMIGATUS :
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67. LEISHMANIA-DONOVANI AFFECTS ANTIGEN PRESENTATION OF MACROPHAGE BY DISRUPTING LIPID RAFTS : Chakraborty-D Banerjee-S Sen-A Banerjee-KK Das-P Roy-S
68. 18-BETA-GLYCERYLRHETINIC ACID TRIGGERS CURATIVE TH1 RESPONSE AND NITRIC-OXIDE UP-REGULATION IN EXPERIMENTAL VISCERAL LEISHMANIASIS ASSOCIATED WITH THE ACTIVATION OF NF-KAPPA-B : Ukil-A Biswas-A Das-T Das-PK
69. KINETOPLASTID MEMBRANE PROTEIN-11 DNA VACCINATION INDUCES COMPLETE PROTECTION AGAINST BOTH PENTAVALENT ANTIMONIAL-SENSITIVE AND -RESISTANT STRAINS OF LEISHMANIA-DONOVANI THAT CORRELATES WITH INDUCIBLE NITRIC-OXIDE SYNTHASE ACTIVITY AND IL-4 GENERATION : Basu-R Bhaumik-S Basu-JM Naskar-K De-T Roy-S
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71. TO SIR WITH POLYCOMB - LINKING SILENCING MECHANISMS :Chopra-VS Mishra-RK
72. SUICIDAL GENETICALLY-ENGINEERED MICROORGANISMS FOR BIOREMEDIATION - NEED AND PERSPECTIVES : Paul-D Pandey-G Jain-RK
73. GSTM1, GSTT1 AND CYP1A1 DETOXIFICATION GENE POLYMORPHISMS AND THEIR RELATIONSHIP WITH ADVANCED STAGES OF ENDOMETRIOSIS IN SOUTH INDIAN WOMEN : Babu-KA Reddy-NGP Deendayal-M Kennedy-S Shivaji-S
74. ROLE OF P73 IN REGULATING HUMAN CASPASE-1 GENE-TRANSCRIPTION INDUCED BY INTERFERON-GAMMA AND CISPLATIN : Jain-N Gupta-S Sudhakar-C Radha-V Swarup-G
75. NOVELTY OF THE PYRUVATE METABOLIC ENZYME DIHYDROLIPOAMIDE DEHYDROGENASE IN SPERMATOOZOA - CORRELATION OF ITS LOCALIZATION, TYROSINE PHOSPHORYLATION, AND ACTIVITY DURING SPERM CAPACITATION : Mitra-K Rangaraj-N Shivaji-S
76. EQUILIBRIUM UNFOLDING OF NEURONAL CALCIUM SENSOR-1 - N-TERMINAL MYRISTOYLATION INFLUENCES UNFOLDING AND REDUCES PROTEIN STIFFENING IN THE PRESENCE OF CALCIUM : Muralidhar-D Jobby-MK Krishnan-K Annapurna-V Chary-KVR Jeromin-A Sharma-Y
77. HALOPERIDOL-ASSOCIATED STEALTH LIPOSOMES - A POTENT CARRIER FOR DELIVERING GENES TO HUMAN BREAST-CANCER CELLS : Mukherjee-A Prasad-TK Rao-NM Banerjee-R
78. METAL ION-DEPENDENT EFFECTS OF CLIOQUINOL ON THE FIBRIL GROWTH OF AN AMYLOID-BETA PEPTIDE : Raman-B Ban-T Yamaguchi-K Sakai-M Kawai-T Naiki-H Goto-Y
79. EXORIBONUCLEASE-R INTERACTS WITH ENDORIBONUCLEASE-E AND AN
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PSYCHROTROPHIC BACTERIUM
PSEUDOMONAS-SYRINGAE LZ4W :
Purusharth-RI Klein-F Sulthana-S
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