I-Son Ng

List of Publications by Year in Descending Order

124 papers	2,388 citations	29 h-index	43 g-index
132 ext. papers	3,095 ext. citations	6.1 avg, IF	5.86 L-index

#	Paper	IF	Citations
124	Sustainable production of 4-aminobutyric acid (GABA) and cultivation of Chlorella sorokiniana and Chlorella vulgaris as circular economy. *Bioresource Technology*, **2022**, 343, 126089	11	2
123	Enhanced carbon capture and utilization (CCU) using heterologous carbonic anhydrase in Chlamydomonas reinhardtii for lutein and lipid production.. *Bioresource Technology*, **2022**, 351, 127009	11	1
122	Equipped C1 chemical assimilation pathway in engineering Escherichia coli **2022**, 69-84		
121	Towards high-level protein, beta-carotene, and lutein production from Chlorella sorokiniana using aminobutyric acid and pseudo seawater. *Biochemical Engineering Journal*, **2022**, 184, 108473	4.2	0
120	Effective whole cell biotransformation of arginine to a four-carbon diamine putrescine using engineered Escherichia coli. *Biochemical Engineering Journal*, **2022**, 108502	4.2	0
119	Recent Advances in Photodynamic Therapy against Fungal Keratitis.. *Pharmaceutics*, **2021**, 13,	6.4	4
118	Low-Carbon-Footprint Production of High-End 5-Aminolevulinic Acid via Integrative Strain Engineering and RuBisCo-Equipped Escherichia coli. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 15623-15633	8.3	1
117	CRISPRa/i with Adaptive Single Guide Assisted Regulation DNA (ASGARD) mediated control of Chlorella sorokiniana to enhance lipid and protein production. *Biotechnology Journal*, **2021**, e2100514	5.6	0
116	Challenges and opportunities of bioprocessing 5-aminolevulinic acid using genetic and metabolic engineering: a critical review. *Bioresources and Bioprocessing*, **2021**, 8,	5.2	2
115	High-level production and extraction of C-phycocyanin from cyanobacteria Synechococcus sp. PCC7002 for antioxidation, antibacterial and lead adsorption. *Environmental Research*, **2021**, 206, 112283	7.9	3
114	New insight into the codon usage and medium optimization toward stable and high-level 5-aminolevulinic acid production in Escherichia coli. *Biochemical Engineering Journal*, **2021**, 108259	4.2	2
113	Molecular mechanism of arachidonic acid biosynthesis in Porphyridium purpureum promoted by nitrogen limitation. *Bioprocess and Biosystems Engineering*, **2021**, 44, 1491-1499	3.7	0
112	Engineering pyridoxal kinase PdxY-integrated Escherichia coli strain and optimization for high-level 5-aminolevulinic acid production. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 120, 49-58	5.3	8
111	Development of Escherichia coli Nissle 1917 derivative by CRISPR/Cas9 and application for gamma-aminobutyric acid (GABA) production in antibiotic-free system. *Biochemical Engineering Journal*, **2021**, 168, 107952	4.2	8
110	Plasmid-Free System and Modular Design for Efficient 5-Aminolevulinic Acid Production by Engineered Escherichia coli. *Applied Biochemistry and Biotechnology*, **2021**, 193, 2858-2871	3.2	3
109	Genetic design of co-expressed Mesorhizobium loti carbonic anhydrase and chaperone GroELS to enhancing carbon dioxide sequestration. *International Journal of Biological Macromolecules*, **2021**, 167, 326-334	7.9	11
108	Pyridoxal kinase PdxY mediated carbon dioxide assimilation to enhance the biomass in Chlamydomonas reinhardtii CC-400. *Bioresource Technology*, **2021**, 322, 124530	11	7

107	Fabrication of bio-based polyamide 56 and antibacterial nanofiber membrane from cadaverine. *Chemosphere*, **2021**, 266, 128967	8.4	14
106	Enhanced recombinant Sulfurihydrogenibium yellowstonense carbonic anhydrase activity and thermostability by chaperone GroELS for carbon dioxide biomineralization. *Chemosphere*, **2021**, 271, 128461	8.4	3
105	Redirection of metabolic flux in Shewanella oneidensis MR-1 by CRISPRi and modular design for 5-aminolevulinic acid production. *Bioresources and Bioprocessing*, **2021**, 8,	5.2	6
104	CRISPRi-Mediated NIMPLY Logic Gate for Fine-Tuning the Whole-Cell Sensing toward Simple Urine Glucose Detection. *ACS Synthetic Biology*, **2021**, 10, 412-421	5.7	2
103	Whole-cell biocatalyst for cadaverine production using stable, constitutive and high expression of lysine decarboxylase in recombinant Escherichia coli W3110. *Enzyme and Microbial Technology*, **2021**, 148, 109811	3.8	6
102	Succinic acid fermentation with immobilized Actinobacillus succinogenes using hydrolysate of carbohydrate-rich microalgal biomass. *Bioresource Technology*, **2021**, 342, 126014	11	1
101	Tailoring Genetic Elements of the Plasmid-Driven T7 System for Stable and Robust One-Step Cloning and Protein Expression in Broad. *ACS Synthetic Biology*, **2021**, 10, 2753-2762	5.7	1
100	Migration of glutamate decarboxylase by cold treatment on whole-cell biocatalyst triggered activity for 4-aminobutyric acid production in engineering Escherichia coli. *International Journal of Biological Macromolecules*, **2021**, 190, 113-119	7.9	3
99	Production, isolation and characterization of C-phycocyanin from a new halo-tolerant Cyanobacterium aponinum using seawater. *Bioresource Technology*, **2021**, 342, 125946	11	1
98	Stepwise optimization of genetic RuBisCO-equipped Escherichia coli for low carbon-footprint protein and chemical production. *Green Chemistry*, **2021**, 23, 4800-4813	10	8
97	Precise measurement of decarboxylase and applied cascade enzyme for simultaneous cadaverine production with carbon dioxide recovery. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 104188	5.3	
96	Cooperation of phytoene synthase, pyridoxal kinase and carbonic anhydrase for enhancing carotenoids biosynthesis in genetic Chlamydomonas reinhardtii. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 104184	5.3	1
95	Development and fabrication of disease resistance protein in recombinant Escherichia coli. *Bioresources and Bioprocessing*, **2020**, 7,	5.2	3
94	Genetic engineering of microalgae for enhanced biorefinery capabilities. *Biotechnology Advances*, **2020**, 43, 107554	17.8	57
93	Efficient biotransformation of l-lysine into cadaverine by strengthening pyridoxal 5□phosphate-dependent proteins in Escherichia coli with cold shock treatment. *Biochemical Engineering Journal*, **2020**, 161, 107659	4.2	17
92	CRISPRi-mediated programming essential gene can as a Direct Enzymatic Performance Evaluation & Determination (DEPEND) system. *Biotechnology and Bioengineering*, **2020**, 117, 2842-2851	4.9	3
91	Antibacterial efficacy of chitosan- and poly(hexamethylene biguanide)-immobilized nanofiber membrane. *International Journal of Biological Macromolecules*, **2020**, 154, 844-854	7.9	20
90	New Insight into Plasmid-Driven T7 RNA Polymerase in and Use as a Genetic Amplifier for a Biosensor. *ACS Synthetic Biology*, **2020**, 9, 613-622	5.7	15

89	Design and optimization of bioreactor to boost carbon dioxide assimilation in RuBisCo-equipped Escherichia coli. *Bioresource Technology*, **2020**, 314, 123785	11	11
88	High-level l-lysine bioconversion into cadaverine with enhanced productivity using engineered Escherichia coli whole-cell biocatalyst. *Biochemical Engineering Journal*, **2020**, 157, 107547	4.2	10
87	A Critical Review of Genome Editing and Synthetic Biology Applications in Metabolic Engineering of Microalgae and Cyanobacteria. *Biotechnology Journal*, **2020**, 15, e1900228	5.6	28
86	Establishment of toolkit and T7RNA polymerase/promoter system in Shewanella oneidensis MR-1. *Journal of the Taiwan Institute of Chemical Engineers*, **2020**, 109, 8-14	5.3	6
85	Facilitating the enzymatic conversion of lysineto cadaverine in engineered Escherichia coli with metabolic regulation by genes deletion. *Biochemical Engineering Journal*, **2020**, 156, 107514	4.2	9
84	Exploring fermentation strategies for enhanced lactic acid production with polyvinyl alcohol-immobilized Lactobacillus plantarum 23 using microalgae as feedstock. *Bioresource Technology*, **2020**, 308, 123266	11	31
83	Development of chromosome-based T7 RNA polymerase and orthogonal T7 promoter circuit in Escherichia coli W3110 as a cell factory. *Bioresources and Bioprocessing*, **2020**, 7,	5.2	6
82	Effective purification of lysozyme from chicken egg white by tris(hydroxymethyl)aminomethane affinity nanofiber membrane. *Food Chemistry*, **2020**, 327, 127038	8.5	5
81	Development of CRISPR/Cas9 system in Chlorella vulgaris FSP-E to enhance lipid accumulation. *Enzyme and Microbial Technology*, **2020**, 133, 109458	3.8	27
80	Quantification, regulation and production of 5-aminolevulinic acid by green fluorescent protein in recombinant Escherichia coli. *Journal of Bioscience and Bioengineering*, **2020**, 129, 387-394	3.3	9
79	Enhanced 5-Aminolevulinic Acid Production by Co-expression of Codon-Optimized hemA Gene with Chaperone in Genetic Engineered Escherichia coli. *Applied Biochemistry and Biotechnology*, **2020**, 191, 299-312	3.2	15
78	Crosslinked on novel nanofibers with thermophilic carbonic anhydrase for carbon dioxide sequestration. *International Journal of Biological Macromolecules*, **2020**, 152, 930-938	7.9	10
77	Metabolic manipulation through CRISPRi and gene deletion to enhance cadaverine production in Escherichia coli. *Journal of Bioscience and Bioengineering*, **2020**, 130, 553-562	3.3	4
76	Optimization of three-phase fluidized bed cell disruptor for the release of alcohol dehydrogenase from baker's yeast. *Chemical Engineering Journal*, **2020**, 386, 121224	14.7	1
75	The prospective and potential of carbonic anhydrase for carbon dioxide sequestration: A critical review. *Process Biochemistry*, **2019**, 87, 55-65	4.8	30
74	Towards protein production and application by using Chlorella species as circular economy. *Bioresource Technology*, **2019**, 289, 121625	11	18
73	Mechanism study of photo-induced gold nanoparticles formation by Shewanella oneidensis MR-1. *Scientific Reports*, **2019**, 9, 7589	4.9	12
72	ARduino-pH Tracker and screening platform for characterization of recombinant carbonic anhydrase in Escherichia coli. *Biotechnology Progress*, **2019**, 35, e2834	2.8	12

71	Purification of lysozyme from chicken egg white using nanofiber membrane immobilized with Reactive Orange 4 dye. *International Journal of Biological Macromolecules*, **2019**, 134, 458-468	7.9	26
70	Enhancement of C-phycocyanin purity using negative chromatography with chitosan-modified nanofiber membrane. *International Journal of Biological Macromolecules*, **2019**, 132, 615-628	7.9	9
69	Challenges and opportunity of recent genome editing and multi-omics in cyanobacteria and microalgae for biorefinery. *Bioresource Technology*, **2019**, 291, 121932	11	43
68	Antigen-43-mediated surface display revealed in Escherichia coli by different fusion sites and proteins. *Bioresources and Bioprocessing*, **2019**, 6,	5.2	2
67	Antibacterial activity of quaternized chitosan modified nanofiber membrane. *International Journal of Biological Macromolecules*, **2019**, 126, 569-577	7.9	66
66	Enhancing lutein production with mixotrophic cultivation of Chlorella sorokiniana MB-1-M12 using different bioprocess operation strategies. *Bioresource Technology*, **2019**, 278, 17-25	11	32
65	A highly efficient two-stage cultivation strategy for lutein production using heterotrophic culture of Chlorella sorokiniana MB-1-M12. *Bioresource Technology*, **2018**, 253, 141-147	11	46
64	Impact of pH regulation on multicopper oxidase production and swarming motility in the bacterium Proteus hauseri ZMd44. *Biotechnology and Applied Biochemistry*, **2018**, 65, 212-219	2.8	
63	Efficient carbon dioxide sequestration by using recombinant carbonic anhydrase. *Process Biochemistry*, **2018**, 73, 38-46	4.8	22
62	Turn on the Mtr pathway genes under pLacI promoter in Shewanella oneidensis MR-1. *Bioresources and Bioprocessing*, **2018**, 5,	5.2	6
61	Biorefining of protein waste for production of sustainable fuels and chemicals. *Biotechnology for Biofuels*, **2018**, 11, 256	7.8	41
60	Enhancing carbon capture and lipid accumulation by genetic carbonic anhydrase in microalgae. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 93, 131-141	5.3	34
59	Production, characterization and antibacterial activity of exopolysaccharide from a newly isolated Weissella cibaria under sucrose effect. *Journal of Bioscience and Bioengineering*, **2018**, 126, 769-777	3.3	29
58	CRISPRi mediated phosphoenolpyruvate carboxylase regulation to enhance the production of lipid in Chlamydomonas reinhardtii. *Bioresource Technology*, **2017**, 245, 1527-1537	11	91
57	Biofabrication of gold nanoparticles by Shewanella species. *Bioresources and Bioprocessing*, **2017**, 4,	5.2	13
56	Electron transport phenomena of electroactive bacteria in microbial fuel cells: a review of Proteus hauseri. *Bioresources and Bioprocessing*, **2017**, 4,	5.2	20
55	Expression of Synthetic Phytoene Synthase Gene to Enhance β-Carotene Production in Scenedesmus sp. CPC2. *Biotechnology Journal*, **2017**, 12, 1700204	5.6	34
54	Recent Developments on Genetic Engineering of Microalgae for Biofuels and Bio-Based Chemicals. *Biotechnology Journal*, **2017**, 12, 1600644	5.6	109

53	5-Aminolevulinic acid promotes arachidonic acid biosynthesis in the red microalga. *Biotechnology for Biofuels*, **2017**, 10, 168	7.8	14
52	Heterologous expression of an acidophilic multicopper oxidase in Escherichia coli and its applications in biorecovery of gold. *Bioresources and Bioprocessing*, **2017**, 4,	5.2	6
51	Enhanced exopolysaccharide production and biological activity of Lactobacillus rhamnosus ZY with calcium and hydrogen peroxide. *Process Biochemistry*, **2017**, 52, 295-304	4.8	17
50	Enhanced integration of large DNA into E. coli chromosome by CRISPR/Cas9. *Biotechnology and Bioengineering*, **2017**, 114, 172-183	4.9	66
49	Identification of Gold Sensing Peptide by Integrative Proteomics and a Bacterial Two-Component System. *Frontiers in Chemistry*, **2017**, 5, 127	5	1
48	Insights into copper effect on Proteus hauseri through proteomic and metabolic analyses. *Journal of Bioscience and Bioengineering*, **2016**, 121, 178-85	3.3	2
47	Enhancing beta-carotene biosynthesis and gene transcriptional regulation in Blakeslea trispora with sodium acetate. *Biochemical Engineering Journal*, **2016**, 114, 10-17	4.2	10
46	Simultaneous release of recombinant cellulases introduced by coexpressing colicin E7 lysis in Escherichia coli. *Biotechnology and Bioprocess Engineering*, **2016**, 21, 491-501	3.1	1
45	Explored a cryptic plasmid pSXM33 from Shewanella xiamenensis BC01 and construction as the shuttle vector. *Biotechnology and Bioprocess Engineering*, **2016**, 21, 68-78	3.1	7
44	Disruption of thermo-tolerant Desmodesmus sp. F51 in high pressure homogenization as a prelude to carotenoids extraction. *Biochemical Engineering Journal*, **2016**, 109, 243-251	4.2	30
43	Cloning and characterization of a robust recombinant azoreductase from Shewanella xiamenensis BC01. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 61, 97-105	5.3	15
42	CRISPR/Cas9 nuclease cleavage enables marker-free genome editing in Escherichia coli : A sequential study. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 68, 31-39	5.3	7
41	Flotation: A promising microalgae harvesting and dewatering technology for biofuels production. *Biotechnology Journal*, **2016**, 11, 315-26	5.6	42
40	Formation and characterization of extracellular polymeric substance from Shewanella xiamenensis BC01 under calcium stimulation. *Journal of the Taiwan Institute of Chemical Engineers*, **2015**, 57, 175-181	5.3	7
39	Enzymatic exploration of catalase from a nanoparticle producing and biodecolorizing algae Shewanella xiamenensis BC01. *Bioresource Technology*, **2015**, 184, 429-435	11	9
38	Impact of carbon and nitrogen feeding strategy on high production of biomass and docosahexaenoic acid (DHA) by Schizochytrium sp. LU310. *Bioresource Technology*, **2015**, 184, 139-147	11	76
37	Cultural optimization and metal effects of Shewanella xiamenensis BC01 growth and swarming motility. *Bioresources and Bioprocessing*, **2015**, 2,	5.2	11
36	Pyrosequencing Reveals a Core Community of Anodic Bacterial Biofilms in Bioelectrochemical Systems from China. *Frontiers in Microbiology*, **2015**, 6, 1410	5.7	26

35	Simple, effective protein extraction method and proteomics analysis from polyunsaturated fatty acids-producing micro-organisms. *Bioprocess and Biosystems Engineering*, **2015**, 38, 2331-41	3.7	8
34	Decolorization of textile azo dye and Congo red by an isolated strain of the dissimilatory manganese-reducing bacterium Shewanella xiamenensis BC01. *Applied Microbiology and Biotechnology*, **2014**, 98, 2297-308	5.7	43
33	Simultaneous enhancement of CO2 fixation and lutein production with thermo-tolerant Desmodesmus sp. F51 using a repeated fed-batch cultivation strategy. *Biochemical Engineering Journal*, **2014**, 86, 33-40	4.2	42
32	Copper response of Proteus hauseri based on proteomic and genetic expression and cell morphology analyses. *Applied Biochemistry and Biotechnology*, **2014**, 173, 1057-72	3.2	10
31	Orthogonal array deciphering MRS medium requirements for isolated Lactobacillus rhamnosus ZY with cell properties characterization. *Journal of Bioscience and Bioengineering*, **2014**, 118, 298-304	3.3	12
30	Direct proteomic mapping of Streptomyces roseosporus NRRL 11379 with precursor and insights into daptomycin biosynthesis. *Journal of Bioscience and Bioengineering*, **2014**, 117, 591-7	3.3	11
29	Trichoderma reesei Cellulase Complex in Hydrolysis of Agricultural Waste of Grapefruit Peel and Orange Peel. *BioResources*, **2014**, 9,	1.3	7
28	Draft Genome Sequence of the Bioelectricity-Generating and Dye-Decolorizing Bacterium Proteus hauseri Strain ZMd44. *Genome Announcements*, **2014**, 2,		2
27	Draft Genome Sequence of the Dye-Decolorizing and Nanowire-Producing Bacterium Shewanella xiamenensis BC01. *Genome Announcements*, **2014**, 2,		4
26	Kinetic simulating of Cr(VI) removal by the waste Chlorella vulgaris biomass. *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45, 1773-1782	5.3	27
25	Daptomycin antibiotic production processes in fed-batch fermentation by Streptomyces roseosporus NRRL11379 with precursor effect and medium optimization. *Bioprocess and Biosystems Engineering*, **2014**, 37, 415-23	3.7	32
24	Exploring metal effects and synergistic interactions of ferric stimulation on azo-dye decolorization by new indigenous Acinetobacter guillouiae Ax-9 and Rahnella aquatilis DX2b. *Bioprocess and Biosystems Engineering*, **2014**, 37, 217-24	3.7	10
23	Proteomics approach to decipher novel genes and enzymes characterization of a bioelectricity-generating and dye-decolorizing bacterium Proteus hauseri ZMd44. *Biotechnology and Bioprocess Engineering*, **2013**, 18, 8-17	3.1	10
22	Synergistic effect of Trichoderma reesei cellulases on agricultural tea waste for adsorption of heavy metal Cr(VI). *Bioresource Technology*, **2013**, 145, 297-301	11	31
21	Deciphering mediating characteristics of decolorized intermediates for reductive decolorization and bioelectricity generation. *Bioresource Technology*, **2013**, 145, 321-5	11	29
20	Phototrophic cultivation of a thermo-tolerant Desmodesmus sp. for lutein production: effects of nitrate concentration, light intensity and fed-batch operation. *Bioresource Technology*, **2013**, 144, 435-44	11	94
19	Copper ion-stimulated McoA-laccase production and enzyme characterization in Proteus hauseri ZMd44. *Journal of Bioscience and Bioengineering*, **2013**, 115, 388-93	3.3	18
18	Cloning and expression of Cel8A from Klebsiella pneumoniae in Escherichia coli and comparison to cel gene of Cellulomonas uda. *Biochemical Engineering Journal*, **2013**, 78, 53-58	4.2	11

17	Deciphering simultaneous bioelectricity generation and reductive decolorization using mixed-culture microbial fuel cells in salty media. *Journal of the Taiwan Institute of Chemical Engineers*, **2013**, 44, 446-453	5.3	30
16	Molecular cloning and heterologous expression of laccase from Aeromonas hydrophila NIU01 in Escherichia coli with parameters optimization in production. *Applied Biochemistry and Biotechnology* , **2013**, 169, 2223-35	3.2	14
15	Deciphering simultaneous bioelectricity generation and dye decolorization using Proteus hauseri. *Journal of Bioscience and Bioengineering*, **2012**, 113, 502-7	3.3	28
14	Exploring new strains of dye-decolorizing bacteria. *Journal of Bioscience and Bioengineering*, **2012**, 113, 508-14	3.3	20
13	Autotrophic cultivation of Spirulina platensis for CO2 fixation and phycocyanin production. *Chemical Engineering Journal*, **2012**, 183, 192-197	14.7	83
12	Understanding interactive characteristics of bioelectricity generation and reductive decolorization using Proteus hauseri. *Bioresource Technology*, **2011**, 102, 1159-65	11	44
11	Three-dimensional CFD-PBM coupled model of the temperature fields in fluidized-bed polymerization reactors. *AICHE Journal*, **2011**, 57, 3351-3366	3.6	64
10	Dynamic synergistic effect on Trichoderma reesei cellulases by novel □glucosidases from Taiwanese fungi. *Bioresource Technology*, **2011**, 102, 6073-81	11	42
9	Codon optimization of 1,3-propanediol oxidoreductase expression in Escherichia coli and enzymatic properties. *Electronic Journal of Biotechnology*, **2011**, 14,	3.1	2
8	Novel Cellulase Screening and Optimal Production from the Wood Decaying Xylariaceae: Daldinia Species. *Applied Biochemistry and Biotechnology*, **2010**, 1	3.2	1
7	High-level production of a thermoacidophilic beta-glucosidase from Penicillium citrinum YS40-5 by solid-state fermentation with rice bran. *Bioresource Technology*, **2010**, 101, 1310-7	11	81
6	A novel endo-glucanase from the thermophilic bacterium Geobacillus sp. 70PC53 with high activity and stability over a broad range of temperatures. *Extremophiles*, **2009**, 13, 425-35	3	60
5	Investigation of lipases from various Carica papaya varieties for hydrolysis of olive oil and kinetic resolution of (R,S)-profen 2,2,2-trifluoroethyl thioesters. *Process Biochemistry*, **2006**, 41, 540-546	4.8	12
4	Lipase-catalyzed dynamic hydrolytic resolution of (R,S)-2,2,2-trifluoroethyl □chlorophenyl acetate in water-saturated isooctane. *Journal of Chemical Technology and Biotechnology*, **2006**, 81, 1715-1721	3.5	10
3	Implication of substrate-assisted catalysis on improving lipase activity or enantioselectivity in organic solvents. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2006**, 1764, 1424-8	4	30
2	Hydrolytic resolution of (R,S)-naproxen 2,2,2-trifluoroethyl thioester by Carica papaya lipase in water-saturated organic solvents. *Biotechnology and Bioengineering*, **2005**, 89, 88-95	4.9	17
1	Partially purified Carica papaya lipase: a versatile biocatalyst for the hydrolytic resolution of (R,S)-2-arylpropionic thioesters in water-saturated organic solvents. *Biotechnology and Bioengineering*, **2005**, 91, 106-13	4.9	22