

**KEYWORD INDEX** (2005; Volume 26)

[Use terms from the medical subject headings (MeSH) 2005 list of Index Medicus when possible]

- A20 protein 33  
 acetamide-45 1492  
 acetylated-histone H4 603  
 acetylcholine 1485  
 acetylcholinesterase inhibitors 673  
 actin 769  
 actin-binding protein 769  
 action potentials 551  
 acute lung injury 1123  
 Ac-YVAD-CHO 150  
 adeno-associated virus 963  
 adenosine 181,559,851  
 adenosine A1 receptor 160, 851  
 adenosine deaminase 160  
 adenosine triphosphate 199  
 adenovirus 1076, 1193  
 adhesion 881  
 adipocytic transdifferentiation 1081  
 adipogenic differentiation 1081  
 adrenomedullin 745  
 advanced glycation endproduct 1460  
 afferent neurons 286  
 affinity biosensor 1212  
 aggregates 129  
*Agkistrodon acutus* 691, 1474  
 agmatine 616  
 alkaline phosphatase 27  
 alkaloids 235  
 allergen 1225  
 alpha-1 adrenergic receptors 77, 1281  
 aluminum 539  
 Alzheimer disease 171, 519, 666, 679,943  
 α-major histocompatibility complex 477  
 aminoguanidine 315  
 amlodipine 1303  
 amlodipine derivatives 166  
 AMP579 559  
 amygdale 389  
 amyloid 943  
 amyloid beta-protein 666  
 amyloid precursor protein 171  
 amyotrophic lateral sclerosis 952  
 analgesia 39, 181  
 angiogenesis 259  
 anion channel 265  
 antibody engineering 1  
 antibody formation 641  
 anticancer activity 1248  
 anti-IgE 568  
 antimicrobial activity 1087  
 antimicrobial domain 1087  
 antineoplastic agents 1373  
 antinociception 186  
 antisense oligodeoxynucleotide 364  
 antisense oligodeoxyribonucleotides 563  
 antisense RNA 51  
 antitussive agents 1519  
 antiviral agents 587  
 aorta 69  
 apoptosis 33, 56, 63, 143, 150, 228,377, 477, 598, 623, 635, 729, 753, 873, 887, 934, 1000, 1009, 1076, 1123, 1138, 1193, 1365, 1373  
 arachidonic acid 1233  
 arrhythmia 918  
 artemisinin 1352  
 arterioles 447  
 artificial membranes 1322  
 ascorbic acid 447  
 asthma 353, 1117, 1492  
*Astragalus membranaceus* 345  
 ataxia telangiectasia 897  
 atenolol 1303  
 Atg protein 1421  
 atherosclerosis 835, 1317  
 automated movement detection system 39  
 autophagy 1421  
 axon 396  
 B lymphoma cells 486  
 baclofen 10  
 baculovirus 405  
 baicalin 307  
 baroreflex 840, 959, 1049  
 basic fibroblast growth factor 705, 1454  
 bax genes 729  
 Bay K8644 840  
 bcl-2 genes 623, 729  
 bcl-xL 228  
 bendazac lysine 721  
 benproperine 1519  
 benzodiazepines 1290  
 berberine 1334  
*Bifidobacterium infantis* 629  
 bioavailability 1402  
 biomedical engineering 641, 649  
 bispecific antibody 1  
 blood brain barrier 166  
 blood glucose 721  
 blood pressure 265, 295, 1049, 1303  
 blood pressure variability 959, 1303  
 blood-brain barrier 500  
 bombesin 976  
 bone density 1111  
 bone marrow cells 469  
 bone marrow stromal cells 1081  
 bone morphogenetic protein-7 963  
 bone morphogenetic proteins 1093  
 bradykinin 428  
 brain 353, 423  
 brain injuries 307, 435,441, 685  
 brain ischemia 1454  
 brain neoplasms 685  
 BRCA1 protein 492  
 C16 1460  
 C2C12 963  
 Ca<sup>2+</sup>-transporting ATPase 696  
 cadherins 492, 705  
*Caenorhabditis elegans* 396  
 caffeic acid 1248  
 calcineurin 323  
 calcitonin gene-related peptide 286  
 calcium 27, 51, 77, 160, 199, 323  
 calcium regulatory protein 696  
 calcium-activated potassium current. 1233  
 calmodulin 85  
 cAMP response element-binding protein 27  
 camptothecin 235  
 cancer 513  
 cancer therapy 1, 1025  
 cantide 762  
 capsaicin 286  
 carbamazepine 1297  
 carbon tetrachloride 969  
 2-[(3-carboxy-1-oxopropyl)amino]-2-deoxy-D-glucose 635  
 carcinoma 881, 1365  
 cardiac hypertrophy 295  
 cardiomyocytes 477, 559  
 cardiomyopathy 908  
 cardiovascular disease 926  
 cardiovascular dysfunction 1460  
 cardiovascular system 265  
 carotid artery throm-bosis 691  
 carotid sinus 840  
 caspase 1 150, 1345  
 caspase 3 369, 969, 1009, 1365  
 caspases 129, 623, 1138  
 CD 36 antigens 1359  
 CD40L anti-IgM 486  
 CD46 antigen 987  
 CD80 antigens 223  
 CD86 antigens 223  
 cdc genes 897  
 cdk 753  
 cDNA macroarray 1017  
 cDNA microarray 666  
 celecoxib 865, 952, 1505  
 cell apoptosis 1248  
 cell cycle 205, 369, 477, 753, 1248  
 cell differentiation 469, 705  
 cell division 1248  
 cell membrane 113  
 cell membrane permeability 1322  
 cell movement 492  
 cell proliferation 364, 369, 1130  
 2.2.15 cells 587  
 cell surface expression 1281  
 cell transformation 1339  
 cell transplantation 129  
 cerebral ventricles 181  
 cGMP-dependent protein kinase 323  
 CGP55845 10  
 cheliensisin A 623  
 chemopre-vention 1339  
 Chinese herbal drugs 1181  
 chitosan formulation 1402  
 cholecystokinin 976, 1497  
 cholesterol 1359  
 chromatography 113  
 chromosome aberrations 659  
 chronic obstructive pulmonary disease 714  
 ciliotoxicity 1402  
 CJX1 166  
 CJX2 166  
 3C-like protease 99  
 coenzyme Q10 129  
 cold-induced hypertension 295  
 collagen 1460  
 colonic cancer 1259  
 compartment syndromes 821  
 competitive binding 1485  
 complement 987  
 contraception 212  
 coronary atherosclerosis 1057  
 costimulatory molecules 462  
 COX-2 inhibitor 926  
 CpG islands 1359  
 CpG oligodeoxy-nucleotide 1117  
 CPU 86017 1309  
 cross protection 1479  
 cryoelectron microscopy 1153  
 cultured cells 1063  
*Cunninghamella* 893  
 curcumin 603, 1009  
 cyclic AMP 77  
 cyclic AMP-dependent protein kinases 623  
 cyclic AMP-response DNA-binding protein 789  
 3',5'-cyclic nucleotide phosphodiesterase 1492  
 cyclin 753  
 cyclin D1 205, 873  
 cyclin E 205  
 cyclin-dependent kinase-5 46  
 cyclo oxygenase inhibitors 865, 1505  
 cyclooxygenase-2 441, 952

- cyclophilin 1201  
cynoacrylates 1512  
cysteinyl leukotriene receptor 2 685  
cytochrome c 813, 969, 1138  
cytochrome P450 731  
cytochrome P450 1A1 1387  
cytochrome P450 1A2 1382  
cytokine 353, 835  
cytosine deaminase 629  
cytoskeleton 769  
cytotoxicity 369, 1130  
daidzein 1145  
daidzein-7-*O*-glucuronide 1145  
daidzin 1081  
DARPP-32 46  
Daudi cells 873  
deguelin 873, 1265  
delayed-action preparations 1395  
dementia 666  
4-demethyl-picro-podophyl-  
lotoxin 7'-*O*- $\beta$ -*D*-glucopyrano-  
side 1000  
Dependovirus 51  
deprenyl 17  
des-methylcaritin 477  
dexamethasone 705  
diabetes 908, 1460  
diabetes mellitus 220, 1104  
diabetic nephropathies 721  
diabetic nephropathy 982  
diabodies 1  
diabody 649  
diagnosis 160  
diet 423  
diethyldithiocarbamate 359  
dimerization 1281  
dimethyl dicarboxylate biphenyl  
1339  
direction sensitivity 1034  
directional differentia-tion 477  
dishevelled-1 679  
DNA cassette 1467  
DNA damage 897  
DNA fingerprinting 1217  
DNA primers 302  
DNA repair 897  
DNA-directed DNA polymerase  
302  
DNA-PK 1153  
DOCA-salt-induced hypertension  
295  
docetaxel 1017  
dopamine D1 receptors 27, 1181  
dorsal hand vein 447  
dosage forms 1145  
3D reconstruction 1153  
drug delivery system 1093  
drug screening 1181  
DU-145 364  
Duck hepatitis B virus 587  
effector cells 1  
embryo implantation 212  
embryonic stem cells 477  
emotion 389  
end organ damage 1049  
endometrium 212  
endoplasmic reticulum 696  
endostatin 124  
endothelin 286  
endothelin-1 1309  
endothelium 329  
endotoxin 593, 1063  
enfuvirtide 1274  
enhancer 1402  
entropy 1217  
enzyme activity 99  
eosinophils 1492  
epilepsy 63, 1297  
epithelial cells 359, 1339  
estradiol 705  
estrogen 171  
estrogen receptor  $\alpha$  gene 860  
estrogen receptors 171  
ethanol-induced disorders 1334  
etofesalamide 893  
evoked response 1034  
excitotoxicity 63  
exhaustive exercise 992  
experimental arthritis 192  
extracellular matrix 982  
extracellular signal-regulated ki-  
nases 789, 943  
F(ab')<sub>2</sub> fragments 1479  
Fc gamma receptor IIb 1359  
fentanyl derivatives 107  
ferulic acid 943  
fibrinolysis 691, 1474  
fibrosis 581  
fimbrin 769  
FKBP12.6 918  
flavones 587  
flow cytometry 1000, 1248,  
1373  
flow-mediated dilation 447  
fluorescence 160  
fluorescence resonance energy  
transfer 99  
fluorescence titration 1201  
fluorogenic substrate 99  
5-fluorouracil 250  
flura-zepam 1290  
Flutamide 1382  
fluxetine 563  
foam cells 1359  
folic acid 1317  
formalin test 39  
frontal cortex 155  
GABA receptors 10, 1045  
gabapentin 417  
galactosylceramide 250  
gamma-glutamyltransferase 799  
*Ganoderma lucidum* 1130  
gap junctions 1339  
gardenin 307  
gastric myocyte 1233  
GATA-3 1117  
gene expression 307, 1225, 1359  
gene expression regulation 1409  
gene therapy 405, 513, 610, 629,  
641, 963  
gene transfection 228  
genetic hybridization 1049  
genetics 959  
genistein 840  
genistin 1081  
Gensini's score 1057  
GF109203X 546  
*Ginkgo biloba* 835  
ginkgolide B 539  
Ginseng 143  
Ginseng saponins 551  
ginsenoside Rb1 143  
ginsenoside Rg1 56, 143  
glial fibrillary acidic protein 417  
glibenclamide 69  
globus pallidus 10  
glomerular mesangial cells 982  
glomerular mesangium 745  
glucocorticoids 199  
glucose 117, 329  
glucose transporter 575  
glucuronide 1519  
glutamate-cysteine ligase 799  
glutathione 799  
glutathione peroxidase 745  
glycitin 1081  
gonadorelin 976, 1039  
*Goniothalamus cheliensis* 623  
G-protein-coupled receptors 271,  
435  
green fluorescent proteins 1485  
growth cones 396  
GT1-7 cell line 976  
haplotypes 714, 860  
hear 396, 806, 908, 987  
heart disease 265, 279  
heart ventricles 559  
heat shock proteins 806, 1076,  
1193  
HEK293 cells 77  
HeLa cells 369  
helerythrine 546  
hemodynamics 1460  
hemolysin 453  
hepatic stellate cell 581  
hepatitis B virus 587  
hepatocarcinogenesis 731  
hepatocellular carcinoma 659,  
762, 1025  
hepatocytes 469, 729, 969  
hepatoma 635  
hepG2 635  
high performance liquid chroma-  
tography 1519  
highly active antiretroviral  
therapy 1165  
high-throughput screening 3,391,  
175  
hindlimb 1069  
hippocampus 63,539  
hirudin 1402  
histamine 155, 423,568, 1297,  
1448  
histamine H1 receptor 1448  
histone deacetylase 603  
histone deacetylase inhibitors  
1025  
HIV 1165, 1274  
HIV fusion inhibitors 1165, 1274  
HIV receptors 1165  
HL-60 cells 623, 1138  
HMGN2 1087  
homocysteine 85, 1317  
honokiol 1063  
5-HT<sub>3</sub> serotonin receptor 428  
human lens 359  
humanized chimeric recombinant  
monoclonal antibody 1259  
humans 1317  
huntingtin 129  
Huntington disease 129, 150  
huperzine A 673  
6-hydroxydopamine 799  
hydrogen peroxide 828  
hydroxylation 1519  
7-hydroxystaurosporine 492  
2-hydroxytamoxifen 1243  
hyperalgesia 789  
hyperglycemia 1104  
hyperimmune globulin 1479  
hypertension 69, 959, 1049,  
1303, 1309  
hyposmotic membrane stretch  
1233  
hypothalamus 1039  
icariin 477  
idiopathic thrombocytopenic pur-  
pura 598  
idoxifene 581  
image processing 1153  
immunity 143  
immunoenzyme techniques 124  
immunoglobulin fragments 641  
immunoglobulin G 649  
immunomodulation 1130  
immunosuppressive activity 1352  
implantationestrogen 1243  
inbred C57BL mice  
inducible nitric oxide synthase  
315, 359  
induction 1382  
inflammation 259, 1117  
influence 1145  
inhalation anesthesia 181  
inhaled nitric oxide 1123  
inhibitor 1201  
inhibitor of differentiation 486  
inhibitor of differentiation 3 pro-  
tein 1409  
insect cell 405  
insulin receptor substrate-1 575  
insulin resistance 345, 575  
interferon gamma 359  
interferon type II 1345  
interferon  $\alpha$ -2b 1395  
interleukin-1 192, 745, 835, 934,  
943, 1345  
interleukin-1 receptors 192

- interleukin-10 835  
interleukin-12 223  
interleukin-18 1345  
interleukin-1b-converting enzyme inhibitor 1345  
interleukin-1-receptor antagonist protein 934  
interleukin-8 85  
intermittent hypoxia 315  
intrauterine growth retardation 1387  
ion channels 918  
ischemia 806, 1069, 1345  
ischemia/reperfusion 315  
ischemic preconditioning 441, 546, 851  
isoflurane 813  
jejunum 113  
JNK mitogen-activated protein kinases 56  
kainic acid 63  
kidney 851  
kidney failure 1345  
kinase inhibitors 1253  
lab-on-a-chip 1217  
L-arginine 92, 992  
laryngeal neoplasms 377  
LDL lipoprotein 1359  
learning 1448  
learning memory 143  
leptin 976  
*Leptospira interrogans* 453  
leukocyte count 1057  
leukotriene A4-hydrolase 353  
leukotriene antagonists 435  
Lewis lung 881  
lidocaine 39  
lipid peroxidation 417  
lipopolysaccharides 359, 593, 952, 1497  
lipoprotein lipase 1359  
liposomes 250, 1395  
5-lipoxygenase 353  
liver 581  
liver neoplasm 1339  
liver; superoxide dismutase 745  
L-NAME 840  
loco-motor sensitization 533  
long-term potentiation 143  
low-density lipoprotein receptor-related protein 5 1111  
l-tetrahydropalmatine 533  
L-type calcium channels 559  
lung 353, 992, 1497  
lung neoplasms 1017  
luorescence 27  
lymphocyte count 1057  
lysolipid 1435  
lysophosphatidylcholine 92, 1435  
*Macaca mulatta* 124  
macaque 1274  
macrophage 952, 1359, 1497  
malondialdehyde 329  
mammalian cell 405  
mass spectrum analysis 893, 1519  
mast cells 568  
maze 1448  
MDCK cells 1322  
meconium 1123  
melatonin 117, 519, 745  
membrane transport proteins 563  
memory disorders 1297  
menarche 860  
meptazinol 334  
metabolism 1519  
metabolite 893, 1528  
metalloproteinase 1474  
methylnitrosourea 887  
1-methyl-4-phenylpyridinium 117  
mice 1505  
microarray 307  
microdialysis 155, 851  
microtubulin 1000  
middle cerebral artery infarction 33  
mifepristone 212  
mitochondria 813, 969  
mitochondrial permeability transition 1201  
mitogen-activated protein kinases 85, 205, 563  
MK-801 1448  
molecular models 1322  
monoclonal antibodies 641  
monocrotaline 1309  
monocyte chemoattractant protein-1 85  
monocyte count 1057  
monocytes 1317  
morphine 389  
morphogenesis 396  
mouth 1365  
mTOR protein 1421  
multidrug resistance 1009  
muscarinic acetylcholinic receptors 527, 1187  
muscarinic cholinergic receptor 143  
muscarinic receptors 113  
mycophenolate acid 598  
myeloperoxidase 992  
myocardial contraction 696  
myocardial infarction 1193  
myocardial reperfusion injury 546  
myocardium 8, 28  
myosin light chain 2v 477  
N-acetylcystein 56  
nanoparticles 242  
nanotechnology 1512  
nasal absorption 1402  
nasopharyngeal carcinoma cells 228  
navelbine 1017  
NCI-H460 cells 1373  
necrosis 1076  
neomycin 1485  
neoplasm 1409  
neoplasm metastasis 762, 881  
nerve growth factors 129, 673  
nervous system 1442  
neural progenitor cells 143  
neurite outgrowth 673  
neurofilament 679  
neuropeptide Y 63,976, 1290  
neurotensin 976  
nitric-oxide synthase 1454  
neurotoxicity 17, 435  
neurotrophic protein S100beta 417  
neutralizing antibodies 1479  
neutrophils 1057  
NF-kappaB 85, 150, 887  
NF-kappaB inhibitor alpha 150  
NF-kB pathway 780  
nicotinic acetylcholine receptor 1175  
nitric oxide 92, 259, 323, 329, 389, 593, 745, 952, 1065, 1334  
nitric-oxide synthase 1309  
9-nitrocampthecin 235  
nitrotyrosine 1123  
N-methylaspartate 435  
N-methyl-D-aspartate receptors 177  
nociceptin 1039  
noncompetitive drug 1281  
nonsteroidal anti-inflammatory agents 865, 926, 1352  
noradrenaline 155  
norepinephrine 186  
NR1 subunit 177  
NR2B subunit 177  
NSC34 cell 952  
nucleoporin 1265  
nude mice 1259  
Nup88 1265  
Nup98 1265  
o-aminobenzoic acid 593  
ob/ob mice 1104  
obesity 575, 1104  
*Oenanthe javanica* 587  
oligodeoxyribonucleotides 1359  
oligonucleotide 1467  
oncogenes 659  
on-line solid-phase extraction 1274  
onychium 205  
opioid analgesics 334  
opioid receptors 1045  
optical isomers 527, 1187  
orexin 976  
orexin A 155  
organic chemicals 1322  
orientation sensitivity 1034  
ORL1 receptor 1039  
osteoblasts 1081  
osteogenic differentiation 1081  
oxidative stress 581, 721, 729, 799, 908, 992  
oxycodone 533  
P1075 69  
p38 mitogen-activated protein kinase 934,943  
pain 789, 1505  
pain measurement 39, 1045  
*Panax ginseng* 1104  
parathyroid hormone 705  
Parkinson disease 17  
patch-clamp techniques 428, 539, 551, 559, 828,1442  
PC12 cells 117  
PD-L1 462  
pentylentetrazol 423  
permeability 1402  
peroxisome proliferator-activated receptor gamma 220, 339, 753  
P-glycoprotein 166, 1009, 1387  
pharmacodynamics 384  
pharmacokinetics 124, 250, 384, 1145, 1274, 1528  
pharmacological profiles 527, 1187  
pharmacophore 334  
pharynx 396  
phosphatidylinositol 4,5-bisphosphate 1485  
phosphatidylinositol 3-kinase 1421  
phospholamban 51, 918  
phospholipase C 771,485  
phosphopyruvate hydratase 417  
phosphorylation 918  
phosphotransferases 897  
photodynamic therapy 1138  
photoreceptors 887  
physiologic neovascularization 1069  
physiology 265  
phytogenic antineoplastic agent 1248  
PI3K-Akt pathway 1253  
picroside II 729  
Pim-2 364  
pinacidil 69  
pinopode 212  
pioglitazone 575  
placenta 1387  
Plasmid 228  
plastin 769  
platelet aggregation 1063  
pleckstrin homology domains 1485  
podophyllotoxin 1000  
pollen 1225  
poly (methoxypolyethyleneglycol cyanoacrylate-co-n-hexadecyl cyanoacrylate) 242  
polyamine 616  
polyethylene glycols 242, 1512  
polymers 1512  
polymorphism 1111  
polymorphism (genetics) 384  
polysaccharides 345, 1130  
potassium channels 69, 181, 551

- pranlukast 435  
PRAS40 1253  
pravastatin 92  
prazosin 186  
pRb 873  
preneoplastic changes 731  
presynaptic inhibition 10  
primary hippocampal neurons 33  
prodrugs 865  
profilin 1225  
progesterone 1243  
proliferation 259,616  
promyelocytic leukemia protein 610  
propofol 186  
propyl gallate 1212  
prostacyclin 1063  
prostaglandin E2 705, 952  
prostaglandins 441  
prostanoids 926  
protective agents 1334  
14-3-3 protein 1253  
protein degradation 1421  
protein kinase A 199  
protein kinase C 77, 85, 171, 199,492, 546, 1497  
protein kinase C alpha 1365  
protein p53 150  
proteinase activated receptor-2 568  
protein-protein interaction 1281  
protein-tyrosine kinase 77, 85, 840  
proton 1435  
proto-oncogene proteins c-akt 943  
psychosine 1435  
PTP1B 345  
puerarin 982  
pulmonary artery 1309  
pulmonary hypertension 563  
pyrazole 865  
quamous cell 1365  
quantitative structure-activity relationship 500, 1322  
quinoxalines 1201  
rabeprazole 384  
radioimmunotherapy 1259  
radioligand assay 27, 113, 160  
radioligand binding 69  
radioligand binding assay 527, 1187  
*Radix Isatidis* (Banlangen) 593  
Raji 603  
RANTES 1317  
RAPD technique 1217  
rats 39, 92, 315,835, 1145, 1243 1387  
reactive oxygen species 17, 952, 1309  
recombinant proteins 405, 641  
recurrence 762  
reening 27  
reference memory 1448  
regenerative disease 513  
regulation 428  
Remifentanil 546  
renal cell carcinoma 753  
renal-induced hypertension 295  
renin-angiotensin-aldosterone system 286  
reperfusion 806  
reperfusion injury 813, 821, 851, 1076, 1193  
reporter genes 27  
reserpine 17  
respiratory function tests 1492  
retinitis pigmentosa 887  
retinoblastoma 205  
retinoid X receptor alpha 339  
retrovirus 610  
reverse Arthus reaction 987  
reverse transcriptase polymerase chain reaction 696  
Rho kinase 279  
RhoA 279  
RNA interference 377, 780, 1467  
RNA splice sites 462  
RNAi 228  
RNAi vector 1467  
Roscovitine 46  
rotenone 17  
ryanodine receptor calcium release channel 696, 918  
salt-sensitive hypertension 286  
sarcoplasmic reticulum 918  
sarcoplasmic reticulum calcium ATPase 51  
scintillation proximity assay 339, 1175  
scutellarin 1454  
seizures 423  
selectivity 1505  
selenium 745  
serotonin 563  
sero-tonin 155  
severe acute respiratory coronavirus 99  
severe acute respiratory syndrome coronavirus 1479  
sevoflurane 1045  
sex 389  
short hairpin RNA 228  
shRNAs 1467  
sifuvirtide 1274  
signal transduction 77, 908  
signal-to-noise ratio 1034  
simvastatin 696  
single chain Fv 649  
single nucleotide polymorphism 302, 714  
single particle electron microscopy 1153  
single-chain diabodies 1  
site-directed mutagenesis 99  
skin 569  
SM735 1352  
small interfering RNA 780  
snake venoms 691, 1474  
sodium channels 828  
sodium-hydrogen antiporter 329  
soluble tumor necrosis factor receptor 1212  
sphingomyelinase 453  
sphingosylphosphorylcholine 1435  
spider venom 369  
spinal cord 186, 789, 1045  
spinal cord injury 934  
spinal ganglia 192  
spleen 1512  
spontaneous hypertension 295  
spontaneous response 1034  
STAT3 377  
staurosporine 1365  
stealth 242  
stem cell transplantation 1069  
stem cells 469  
stereoselectivity 1528  
stomach ulcer 1334  
streptozotocin 345  
stromal cells 705  
structure-activity relationship 107, 235  
subarachnoid space 181  
subcellular localization 462  
substance P 286  
subthalamic nucleus 10  
sulfonamide 865  
superoxide dismutase 92, 329  
support vector classification 107  
support vector machine 107  
surface plasmon resonance 1201  
survivin protein 1365  
sustained-release 1093  
*Swietenia mahagony* 220  
sympathetic nervous system 286  
synaptic plasticity 143  
synaptic transmission 1442  
Tachy-pleus Amebocyte Lysate 593  
tandem scFv 1  
targeting 1  
tau proteins 519, 679  
taurine 821  
T-bet 1117  
telomerase 513, 762  
telomere 513  
tetramethylpyrazine 887  
theoretical models 500  
thiazo-lidinedione 575  
thoracic aorta 92  
thrombosis 1063  
thibolone 1528  
tissue distribution 1512  
tissue regeneration 1093  
tobacco 1387  
tonsil 568  
total ginsenosides 1104  
tramadol 334  
transauricular kindled seizures 1297  
transcription factors 1409  
transcriptional control 486  
transfection 745  
transformation 893  
transforming growth factor-b1 714, 745  
translocation 1497  
trigeminal ganglion 428  
triptolide 223  
TRP family 286  
tryptase 568  
tumor cell 616  
tumor necrosis factor 33, 705, 745, 835  
tumor necrosis factor-alpha 242, 593, 1212  
tumor necrosis factor-related apoptosis-inducing ligand 1373  
tumor suppressor genes 659  
TUNEL 934  
type I diabetes mellitus 806  
type II diabetes mellitus 345  
tyrosine kinase 205  
U937 cells 1265  
UPGMA 1217  
uro-kinase 691  
vaccine 405  
vagus nerve 1442  
vanilloid receptor 286  
vascular cell adhesion molecule-1 435  
vascular endothelial growth factor 1454  
vascular endothelium 92, 166, 447, 1069  
vascular smooth muscle 205, 323, 563  
vascular smooth muscle cell 685  
vasodilation 92, 447  
ventral hippocampus 1448  
venules 447  
verapamil 166  
visual recognition memory 177  
vitamin D receptor gene 860  
voltage-dependent calcium channels 539  
Western blotting 177, 1248  
working memory 1448  
wortmannin 519, 679  
wound healing 259  
xanthine oxidase 992  
*Xenopus laevis* 551  
yeast-two hybrid 220  
yohimbine 186  
zinc phthalocyanine 1138