

Keywords Index

A

acceleration; 30 (1), 93-99
AC-DC-AC converter; 30 (1), 85-92
Acinetobacter sp. ; 30 (3), 297-305
activated carbon; 30 (2), 179-183; 30 (2), 185-189
acute toxicity; 30 (5), 611-619; 30 (6), 729-737
adaptive peak power reduction (APPR) ; 30 (3), 355-360
adaptive; 30 (1), 71-84
adjustable SIR estimator; 30 (6), 775-785
adsorption efficiency; 30 (2), 179-183
adsorption isotherm; 30 (2), 185-189
adsorption; 30 (2), 269-276
advancing contact; 30 (1), 101-107
aerosol; 30 (2), 243-256
alginate; 30 (2), 135-140
alkalinephosphatase; 30 (1), 7-16
alkalophilic bacterium; 30 (6), 723-728
aluminium alloys; 30 (2), 215-220
ambrosia beetle; 30 (5), 579-582
ambrosia fungus; 30 (5), 579-582
Amlodipine; 30 (4), 455-462
anaerobic ammonium oxidizing bacteria; 30 (5), 659-665
analgesic; 30 (6), 739-745
analysis of deviance; 30 (2), 207-214
analytical model; 30 (4), 531-538
analytical modeling; 30 (2), 221-225
Angsana tree; 30 (5), 579-582
Angus's conservative; 30 (4), 547-552
anti-allergic activity; 30 (4), 467-473; 30 (5), 621-625
antibacterial activity; 30 (4), 463-466; 30 (5), 591-596;
30 (5), 635-639
antibacterial peptide; 30 (3), 291-296
antifungal activity; 30 (4), 463-466; 30 (5), 635-639
anti-inflammatory; 30 (6), 739-745
antimicrobial activity; 30 (4), 463-466; 30 (4), 467-473;
30 (5), 635-639
antioxidant; 30 (5), 591-596
antipyretic; 30 (6), 739-745
application; 30 (1), 37-46
architectural layout design; 30 (5), 673-686
assembled colorimeter; 30 (3), 405-411
atomic force microscopy; 30 (1), 59-63

automated design tool; 30 (5), 673-686
auxiliary fuel consumption; 30 (1), 125-129

B

B16-F10; 30 (5), 603-609
Babylonia areolata; 30 (2), 141-146
Bacillus sp. ; 30 (6), 723-728
Bacillus thuringiensis; 30 (5), 597-601
back propagation algorithm; 30 (1), 85-92
back-flushing; 30 (1), 131-134
Banglang Reservoir; 30 (2), 159-166
Bi₄Ti₃O₁₂; 30 (6), 787-790
bioactivity; 30 (4), 509-513
biodiesel; 30 (4), 515-521
bioemulsifier; 30 (3), 297-305
bioequivalence; 30 (3), 307-312
biolistic transformation; 30 (2), 153-157
biomass; 30 (3), 393-404
biomechanical compatibility; 30 (4), 509-513
biopesticide; 30 (5), 597-601
blend; 30 (4), 491-499
body wave magnitude; 30 (2), 191-199
boiler ash; 30 (3), 281-289
bond deterioration; 30 (3), 323-332
bonded rubber block; 30 (2), 221-225
Brassica campestris; 30 (4), 427-431
breeding for disease resistance; 30 (4), 441-446
bridge; 30 (4), 501-508
brown rice flour; 30 (6), 713-721

C

calcium (II) ion; 30 (2), 179-183
capacitance; 30 (3), 361-366
capacity constraints; 30 (1), 117-123
carbothermal reduction synthesis; 30 (2), 239-242
carotenoids; 30 (6), 693-700
cassava chip; 30 (5), 571-578
cassava starch; 30 (3), 405-411
cell suspension culture; 30 (6), 701-706
CGTase; 30 (6), 723-728
char; 30 (3), 393-404
characteristic function; 30 (6), 799-804

characterization; 30 (3), 297-305
 chloride penetration; 30 (3), 485-489
 Chlorophyll a; 30 (2), 159-166
 chlorosulfonated polyethylene (CSM) ; 30 (4), 491-499
 chromosome aberration; 30 (5), 583-589
 chromosome; 30 (2), 171-177
 cisplatin; 30 (5), 627-633
 coherence function; 30 (1), 93-99
 column tributary area; 30 (3), 323-332
 combustion synthesis; 30 (6), 761-765
 compatibilizers; 30 (4), 491-499
 composite; 30 (4), 501-508
 computational fluid dynamic; 30 (6), 755-760
 conditioning; 30 (4), 475-483
 conductive filler; 30 (3), 361-366
 conductive rubber; 30 (3), 361-366
 controlled-air incinerator; 30 (1), 125-129
 conventional SIR estimator; 30 (6), 775-785
 conventional staining; 30 (4), 421-426
 corrosion; 30 (3), 485-489
 coverage probability; 30 (4), 547-552
 crustin; 30 (3), 291-296
cry gene; 30 (5), 597-601
 cumulative logit models; 30 (6), 805-811
 current source rectifier; 30 (1), 85-92
 curriculum; 30 (3), 349-353
 cyclodextrin; 30 (6), 723-728
 cytochrome oxidase subunit I; 30 (2), 141-146
 cytogenetics; 30 (2), 171-177

D

deck; 30 (4), 501-508
 dedicated retrofit; 30 (6), 747-754
 deep beam; 30 (5), 641-647
 degradation; 30 (2), 135-140
Dendrobium crumenatum Sw. ; 30 (3), 277-280
 density; 30 (3), 405-411
 depression; 30 (2), 257-267
 dermal papilla; 30 (5), 627-633
Desmos chinensis; 30 (5), 635-639
 dicalcium phosphate; 30 (1), 7-16
 die casting; 30 (2), 215-220
 dielectric properties; 30 (6), 791-797
 diesel dual fuel; 30 (6), 747-754
 differential mobility analyzer; 30 (2), 243-256
 diffusion coefficient; 30 (2), 269-276
 digenetic trematode; 30 (2), 147-151
 digestibility; 30 (5), 571-578
 digestive proteinase; 30 (1), 37-46
 diversity; 30 (6), 707-712
 DNA content; 30 (3), 277-280
 DNA fingerprint; 30 (1), 55-58
 doping effect; 30 (6), 791-797
 Doppler frequency; 30 (6), 775-785
 DPPH; 30 (1), 55-58
 drop-tube/fixed-bed reactor; 30 (3), 393-404

dual series equations; 30 (1), 101-107; 30 (6), 767-774

E

early introduced clones; 30 (5), 553-560
 earthquake; 30 (2), 191-199
 ecology; 30 (6), 707-712
 effect of jet mill parameters; 30 (3), 377-384
 EGCG; 30 (5), 603-609
Elaeis guineensis; 30 (2), 153-157
 electrical conductivity; 30 (3), 361-366; 30 (3), 413-419
 electrical mobility; 30 (2), 243-256
Elettariopsis curtisii; 30 (5), 591-596
 emissions; 30 (6), 747-754
 energy consumption; 30 (4), 475-483
 energy dissipation; 30 (3), 333-341
 engineering properties; 30 (5), 649-657
Epinephelus coioides; 30 (2), 147-151
 essential oil; 30 (5), 591-596
 Euplatypus; 30 (5), 579-582
 excitation control; 30 (3), 367-375
 exponential moving average filter; 30 (6), 775-785
 extract; 30 (6), 739-745

F

fancy carp; 30 (6), 693-700
 fast pyrolysis; 30 (3), 393-404
 FEC; 30 (1), 71-84
 ferroelectric; 30 (1), 59-63
 ferrosilicon; 30 (3), 377-384
 fiber; 30 (4), 501-508
 fibrinolytic enzyme; 30 (4), 447-453
 finite element analysis; 30 (2), 221-225
 finite element; 30 (1), 109-115
 flow cytometry; 30 (3), 277-280
 forest fire; 30 (4), 539-546
 fouling; 30 (1), 131-134
 fourier transform; 30 (6), 799-804
 Fredholm integral equation; 30 (1), 101-107; 30 (6), 767-774
 FRP; 30 (4), 501-508
 fruits and vegetables snacks; 30 (1), 109-115
 frying; 30 (1), 109-115

G

Garcinia mangostana; 30 (6), 739-745
 gas bubbles; 30 (2), 215-220
 gas-fired infrared; 30 (3), 343-348
 Generalised Method of Moments; 30 (6), 799-804
 generalized confidence interval; 30 (4), 547-552
 genetic relationship; 30 (4), 433-440
 GFP; 30 (2), 153-157
 GH cell; 30 (2), 167-170
 Gibbs energy; 30 (2), 239-242
 glycerol; 30 (4), 515-521
 glycerolysis; 30 (4), 515-521
 glycine rich protein; 30 (3), 291-296

Gonapodasmius epinepheli; 30 (2), 147-151
 goodness of fits; 30 (6), 805-811
 grain refinement; 30 (2), 215-220
 green house gas; 30 (6), 747-754
 grinding of brittle minerals and material; 30 (3), 377-384
 ground dwelling ant; 30 (6), 707-712
 grouper; 30 (2), 147-151
 growing goat; 30 (5), 571-578
 growth; 30 (6), 687-692

H

4-hexylresorcinol; 30 (1), 31-35
 hair loss; 30 (5), 627-633
 Hankel integral transform; 30 (6), 767-774
 heat treatment; 30 (5), 649-657
 heat-pulse technique; 30 (5), 565-570
 heavy metals; 30 (2), 269-276
 helium pressure; 30 (2), 153-157
 heterogeneous catalytic reactor; 30 (6), 755-760
Hevea brasiliensis; 30 (5), 553-560
 highly preheated combustion air; 30 (1), 125-129
 hollow fiber membrane bioreactor; 30 (1), 131-134
 house of quality; 30 (3), 349-353
 HPLC; 30 (4), 427-431
 human plasma; 30 (4), 455-462
 hydraulic conductivity; 30 (2), 269-276
 hydrolysis; 30 (1), 37-46
 hydrophilic; 30 (2), 201-206
 hydroponics; 30 (4), 427-431

I

identification; 30 (2), 135-140
Illicium verum; 30 (5), 667-672
 ilmenite; 30 (2), 239-242
 immune parameters; 30 (6), 687-692
 immunocytochemistry; 30 (2), 167-170
in vitro culture; 30 (3), 277-280
 inactive yeast cell wall; 30 (6), 687-692
 inorganic phosphorus; 30 (1), 17-24
 instant fried noodle; 30 (6), 713-721
 interaction terms; 30 (6), 805-811
 internal transcribed spacer 1; 30 (2), 141-146
 interval width; 30 (4), 547-552
 Iperdal[®]; 30 (3), 307-312
 iron (II) ion; 30 (2), 179-183
 iron; 30 (6), 713-721
 irregular wave model; 30 (3), 333-341
 irrigation; 30 (5), 565-570

J

jet mill; 30 (3), 377-384
 joint shear failure; 30 (3), 323-332

K

Kaempferia parviflora; 30 (4), 463-466
 karyotype; 30 (4), 421-426

kiln-drying; 30 (4), 475-483

L

larvicide; 30 (5), 667-672
 latex yield; 30 (5), 667-672
 LC-MS/MS; 30 (4), 455-462
 L-dopa reaction; 30 (5), 603-609
 leach; 30 (2), 233-238
 leaching; 30 (2), 239-242
 lead-free material; 30 (6), 791-797
 leaf water potential; 30 (5), 561-564
 link functions; 30 (6), 805-811
 lipid; 30 (1), 47-53
Litopenaeus vannamei; 30 (6), 687-692
 LMS algorithm; 30 (6), 775-785
 lumber quality; 30 (4), 475-483

M

Maclura cochinchinensis; 30 (5), 635-639
 Mae Hong Son province; 30 (2), 207-214
 malaria incidence; 30 (2), 207-214
 Maphut; 30 (6), 701-706
 marine bacteria; 30 (3), 297-305
 mechanical properties; 30 (2), 221-225
 Melanocytes; 30 (5), 603-609
 metal species; 30 (3), 393-404
 MG-63; 30 (1), 25-29
 microsatellite; 30 (5), 553-560
 microstructure; 30 (6), 791-797
 milling; 30 (2), 233-238
 mixed boundary conditions; 30 (6), 767-774
 mixed integer programming; 30 (5), 673-686
 MMS; 30 (2), 257-267
 modeling; 30 (1), 109-115; 30 (3), 343-348
 modified cox; 30 (4), 547-552
 molten salt synthesis; 30 (6), 787-790
 moment magnitude; 30 (2), 191-199
 monoglycerides; 30 (4), 515-521
Morinda citrifolia; 30 (5), 583-589
 mortar; 30 (3), 485-489
 moving average filter; 30 (6), 775-785
 MPEG-4; 30 (1), 71-84
 multimedia communications; 30 (1), 71-84
 multi-path fading; 30 (6), 775-785
Musca domestica; 30 (5), 667-672
 muscle foods; 30 (1), 47-53
 mycelial culture; 30 (4), 447-453
 myoglobin; 30 (1), 47-53

N

N-acetyl-L- cysteine; 30 (1), 31-35
 nanoparticles; 30 (2), 243-256; 30 (6), 787-790
 nanotechnology; 30 (2), 243-256
 natural gas vehicle; 30 (6), 747-754
 natural rubber (NR) ; 30 (4), 491-499
 negative binomial regression model; 30 (2), 207-214

Nelumbo nucifera; 30 (1), 55-58
 neural fields; 30 (3), 313-321
 neural networks; 30 (1), 85-92; 30 (3), 313-321
 neuronal model; 30 (3), 313-321
 nitrite; 30 (2), 201-206
 nitrogen blance; 30 (5), 571-578
 nitrogen removal; 30 (5), 659-665
 Noni; 30 (5), 583-589
 nonlinear HPA; 30 (3), 355-360
 non-minimum phase; 30 (3), 367-375
 numerical model; 30 (4), 531-538
 numerical weather simulation; 30 (2), 257-267

O

Ochrobacterium; 30 (2), 135-140
 OFDM; 30 (3), 355-360
 ohmic heating; 30 (3), 413-419
 oil absorption; 30 (1), 109-115
 ongan; 30 (1), 31-35
 optical properties; 30 (1), 65-69
 optimization; 30 (5), 673-686
Oreochromis niloticus; 30 (1), 17-24
 organic fertilizers; 30 (3), 281-289
 organogenesis; 30 (1), 1-6
 oriented strand lumber; 30 (5), 649-657
 Ornstein-Uhlenbeck process; 30 (6), 799-804
 osteoblast; 30 (1), 25-29
 osteocalcin; 30 (1), 25-29
 outsourcing; 30 (4), 523-530
 oxidation; 30 (1), 47-53

P

paddy drying; 30 (3), 343-348
 palm oil fuel ash; 30 (3), 485-489
 palm stearin; 30 (4), 515-521
 PAPR; 30 (3), 355-360
 parametric wave; 30 (3), 333-341
 parawood; 30 (5), 649-657
Parkia spp.; 30 (4), 433-440
 pars distalis; 30 (2), 167-170
 particulate matter; 30 (4), 539-546
 $Pb(Zr_x Ti_{1-x})O_3$; 30 (1), 59-63
Panaeus monodon; 30 (3), 291-296
 pepsin; 30 (1), 37-46
 performance limitation; 30 (3), 367-375
 pericarp; 30 (6), 739-745
 pest management; 30 (5), 667-672
 pharmacokinetic; 30 (6), 693-700
 phase development; 30 (6), 791-797
 phase transformation; 30 (3), 385-391
 phenol; 30 (2), 185-189
 phosphorus load; 30 (1), 17-24
 phosphorus retention; 30 (1), 17-24
 phosphorus; 30 (1), 7-16
 photocatalysis; 30 (2), 201-206
 photocatalyst; 30 (3), 385-391

photocatalytic activity; 30 (3), 385-391
 phylogeographic subdivision; 30 (2), 141-146
 phytase; 30 (1), 17-24
 piezoresponse; 30 (1), 59-63
 pigeon orchid; 30 (3), 277-280
 pileated gibbon (*Hylobates pileatus*); 30 (4), 421-426
 plate bending; 30 (1), 101-107; 30 (6), 767-774
 plates; 30 (2), 221-225
 Platyrodinae; 30 (5), 579-582
 porous materials; 30 (6), 761-765
 porous titanium; 30 (4), 509-513
 preparation; 30 (2), 201-206
 PRL cell; 30 (2), 167-170
 production; 30 (3), 297-305
 proliferation; 30 (1), 25-29
 protein; 30 (3), 413-419
 protoplast; 30 (6), 701-706
 PTS; 30 (3), 355-360
 pulse electromagnetic field; 30 (1), 25-29
 PVP; 30 (1), 65-69

Q

quality control; 30 (1), 71-84
 quality function deployment (QFD); 30 (3), 349-353
 quartz; 30 (3), 377-384

R

Rana blythii; 30 (2), 167-170
 RAPD; 30 (4), 433-440; 30 (5), 553-560
 RBL-2H3 cells; 30 (4), 467-473; 30 (5), 621-625
 reactive oxygen species (ROS); 30 (5), 627-633
 receding contact; 30 (6), 767-774
 regeneration; 30 (1), 1-6
 reinforced concrete; 30 (5), 641-647
 relative bias; 30 (4), 547-552
 reliability analysis; 30 (5), 649-657
 retardation factor; 30 (2), 269-276
 reversed cyclic load; 30 (3), 323-332
 rice husk ash; 30 (3), 485-489
 Risperdal[®]; 30 (3), 307-312
 Risperidone; 30 (3), 307-312
 rubber trees; 30 (5), 565-570
 Rubberwood; 30 (4), 475-483

S

S. lycopersicum; 30 (4), 441-446
S. rhombifolia; 30 (6), 729-737
 sago starch; 30 (6), 723-728
 salinity barrier; 30 (4), 531-538
 sand-bentonite mixture; 30 (2), 269-276
 sap flow; 30 (5), 565-570
Schizophyllum commune; 30 (4), 447-453
 self-propagating high temperature synthesis; 30 (2), 227-231; 30 (6), 761-765
 semi-solid metal; 30 (2), 215-220
 sex-reversed tilapia; 30 (1), 7-16

shape memory alloy; 30 (6), 761-765
 shear strength; 30 (5), 649-657
 SHS; 30 (2), 233-238
 silicon carbide; 30 (2), 227-231
 silver nitrate; 30 (1), 1-6
 similarity coefficient; 30 (4), 433-440
 simulation; 30 (1), 117-123
 singularity; 30 (1), 101-107
 sintering; 30 (4), 509-513
 SiO₂/TiO₂; 30 (3), 385-391
 sister chromatid exchange (SCE) ; 30 (5), 583-589
 soil characteristics; 30 (3), 281-289
 soil moisture; 30 (5), 561-564
 soil nutrients; 30 (3), 281-289
Solanum habrochaites; 30 (4), 441-446
 sol-gel method; 30 (3), 385-391
 Sol-gel; 30 (1), 65-69
 solid suspension; 30 (6), 755-760
 Southeast Asia Haze; 30 (4), 539-546
 southern Thailand; 30 (6), 707-712
 space vector modulation (SVM); 30 (1), 85-92
 stability study; 30 (4), 455-462
 standard Gibbs energy minimization method; 30 (2), 227-231
 S-TiO₂; 30 (2), 201-206
 stochastic volatility; 30 (6), 799-804
 stomatal conductance; 30 (5), 561-564
 strut and tie model; 30 (5), 641-647
 subchronic toxicity; 30 (5), 611-619; 30 (6), 729-737
 submicron particles; 30 (6), 787-790
 substandard beam-column joint; 30 (3), 323-332
 substrate culture; 30 (4), 427-431
 Sumatra-Andaman Earthquake; 30 (2), 191-199
 supply chain management; 30 (4), 523-530
 surf zone; 30 (3), 333-341
 surimi; 30 (3), 413-419
 survival; 30 (6), 687-692

T

Taguchi loss function; 30 (4), 523-530
 Tak province; 30 (2), 207-214
 ternary composite; 30 (3), 361-366
 t-generalized; 30 (4), 547-552
 Thai brow-antlered deer (*Cervus eldi siamensis*) ; 30 (2), 171-177
 Thai crops; 30 (4), 467-473
 Thai longevity herbal formulation; 30 (5), 621-625
 Thailand; 30 (4), 539-546; 30 (5), 579-582
 Thamin brow-antlered deer (*Cervus eldi thamin*) ; 30 (2), 171-177

the Gulf of Thailand; 30 (2), 257-267
 thermal properties; 30 (3), 405-411
 tide reflection; 30 (4), 531-538
 tilapia; 30 (1), 7-16; 30 (1), 17-24
Tiliacora triandra (Colebr.) Diels; 30 (5), 611-619
 tissue culture; 30 (1), 1-6
 titanium carbide; 30 (2), 239-242
 titanium diboride; 30 (2), 233-238
 TLC-densitometric; 30 (6), 693-700
 tomato yellow leaf curl disease; 30 (4), 441-446
 tool wear monitoring; 30 (1), 93-99
 topology optimization; 30 (5), 641-647
 toxicity; 30 (5), 597-601
 transboundary; 30 (4), 539-546
 transmission power control; 30 (6), 775-785
 traveling wave solutions; 30 (3), 313-321
 trypsin; 30 (1), 37-46
 tsunami warning; 30 (2), 191-199
 TYLCTHV-[2] ; 30 (4), 441-446
 Tyrosinase activity; 30 (5), 603-609

U

ultra filtration; 30 (1), 131-134
 urea; 30 (5), 571-578
 utilization; 30 (1), 117-123

V

vacuum frying; 30 (1), 109-115
 valid inequalities; 30 (5), 673-686
 validation; 30 (4), 455-462; 30 (6), 693-700
 vanadium; 30 (4), 427-431
 vibration; 30 (1), 93-99
 Viscera; 30 (1), 37-46

W

WAP; 30 (3), 291-296
 wash-water; 30 (3), 413-419
 waste recovery; 30 (3), 413-419
 water quality; 30 (2), 159-166
 water stress; 30 (5), 561-564
 W-CDMA; 30 (6), 775-785
 wheat yield; 30 (3), 281-289
 white shrimp; 30 (6), 687-692

Y

Yor; 30 (5), 583-589
 zinc sulfonated natural rubber (Zn-SNR) ; 30 (4), 491-499
 zinnia; 30 (1), 1-6
 ZnO; 30 (1), 65-69