Ecosystem services imply the natural environmental conditions on which human life relies for existence, and their effectiveness formed and sustained by ecosystem and its ecological processes. In newly research reports, they were divided into four groups, i.e., provisioning services, regulation services, cultural services, and supporting services. To assess and valuate ecosystem services is the foundation of regional environmental reserve and development. Taking Hainan Island as an example and based on the structure and processes of natural ecosystem, this paper discussed the proper methods for regulation services assessment. The ecosystems were classified into 13 types including valley rain forest, mountainous rain forest, tropical monsoon forest, mountainous coppice forest, mountainous evergreen forest, tropical coniferous forest, shrubs, plantation, timber forest, windbreak forest, mangrove, savanna, and cropland, and then, the regulation services and their economic values of Hainan Island ecosystem were assessed and evaluated by terms of water-holding, soil conservancy, nutrient cycle, C fixation, and windbreak function. The economic value of the regulation services of Hainan Island ecosystem was estimated as 2035.88 x 10(8)-2153.39 x 10(8) RMB yuan, 8 times higher to its provisioning services (wood and agricultural products) which were estimated as only 254.06 x 10(8) RMB yuan. The result implied that ecosystem regulation services played an even more important role in the sustainable development of society and economy in Hainan Island.
Reviews - displaying 47 of 47

[Forest ecosystem service and its evaluation in China].
(PMID:16262073)
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2005 Aug;16(8):1531-6]

Economic valuation of ecosystem services: discussion and application.
(PMID:12378947)
Lazo JK
Drug and chemical toxicology [2002 Nov;25(4):349-74]

[A review on disturbance ecology of forest].
(PMID:15624796)
Zhu J, Liu Z

Ecosystem valuation: a sequential decision support system and quality assessment issues.
(PMID:20146763)
Turner RK, Morse-Jones S, Fisher B

Investing in sustainable catchments.
(PMID:15081693)
Everard M

Ecological and socioeconomic effects of China's policies for ecosystem services.
(PMID:18621700)
Liu J, Li S, Ouyang Z, Tam C, Chen X

Accounting for ecosystem services in life cycle assessment, Part I: a critical review.
(PMID:20178382)
Zhang Y, Singh S, Bakshi BR
Environmental science & technology [2010 Apr 1;44(7):2232-42]

Economic impacts of invasive species in forests: past, present, and future.
(PMID:19432643)
Holmes TP, Aukema JE, Von Holle B, Liebhold A, Sills E
Annals of the New York Academy of Sciences [2009 Apr;1162:18-38]

[Forest health ecological risk assessment in China].
(PMID:15146655)
Xiao F, Ouyang H, Cheng S, Zhang Q
Economic valuation of wetlands.
(PMID:16334281)
Ramachandra TV, Rajinikanth R, Ranjini VG

Ecosystem approach: a new concept for ecosystem management.
(PMID:15825458)
Wang S, Zhao S

The functional value of Caribbean coral reef, seagrass and mangrove habitats to ecosystem processes.
(PMID:16782451)
Harborne AR, Mumby PJ, Micheli F, Perry CT, Dalgren CP, Holmes KE, Brumbaugh DR
Advances in marine biology [2006;50:57-189]

Some issues on assessing natural capital of environment and ecosystems.
(PMID:11855168)
Li S, Zheng D, Yang Q

Ecosystem services and agriculture: tradeoffs and synergies.
(PMID:20713396)
Power AG
Philosophical transactions of the Royal Society of London. Series B, Biological sciences [2010 Sep 27;365(1554):2959-71]

Ecosystem services provided by birds.
(PMID:18566089)
Whelan CJ, Wenny DG, Marquis RJ
Annals of the New York Academy of Sciences [2008;1134:25-60]

Ecosystem services provided by bats.
(PMID:21449963)
Kunz TH, Braun de Torrez E, Bauer D, Lobova T, Fleming TH

Refocusing on nature: holistic assessment of ecosystem services.
(PMID:22275080)
Menzie CA, Deardorff T, Booth P, Wickwire T

Effects of climate change on forest succession.
(PMID:15624798)
Wang J, Pei T

Important ecological topics on regional scale ecosystem management in China.
(PMID:12385225)

Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shen yang ying yong sheng tai yan jiu suo zhu ban [2004 Dec;15(12):2364-8]

Yong sheng tai yan jiu suo zhu ban [2002 Jul;13(7):885-91]

[Ecological misunderstanding, integrative approach, and potential industries in circular economy transition].
(PMID:16515204)
Wang R

Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2005 Dec;16(12):2439-46]

[Key problems in ecological research on vegetations in Northeast China].
(PMID:15624797)
Zou C, Xu W


[Approaches to evaluate the effects of hydraulic engineering on river ecosystem services].
(PMID:12924145)
Lu C, Xie G, Cheng S, Yu G


[Silviculture of poplar plantation in China: a review].
(PMID:19123371)
Fang SZ


[Approaches for assessing forest ecosystem health].
(PMID:12974013)


[Soil seed bank research in China: present status, progress and challenges].
(PMID:19459392)
Shen YX, Zhao CY


[Some ideas about ecological assets assessment].
(PMID:18163325)
Song PF, Hao ZQ


[Historical range of variability in forest ecosystem management: applications and prospects].
(PMID:20879548)
Wu ZF, Li YH, Chang Y, Hu ZB


[Ecological carrying capacity and Chongming Island's ecological construction].
(PMID:16515205)
Review and challenges of policies of environmental protection and sustainable development in China.
(PMID:17767999)
Zhang KM, Wen ZG
Journal of environmental management [2008 Sep;88(4):1249-61]

The sharing of water between society and ecosystems: from conflict to catchment-based co-management.
(PMID:14728795)
Wallace JS, Acreman MC, Sullivan CA

[Research advances in dynamic mechanism and its simulation of eco-hydrological process in forest catchment].
(PMID:15825459)
Diao Y, Pei T

Valuing biodiversity and ecosystem services: Why put economic values on Nature?
(PMID:21640956)
Salles JM
Comptes rendus biologies [2011 May;334(5-6):469-82]

Forest wildlife management and conservation.
(PMID:19432653)
Lindenmayer DB
Annals of the New York Academy of Sciences [2009 Apr;1162:284-310]

Valuing ecosystem services: theory, practice, and the need for a transdisciplinary synthesis.
(PMID:20146762)
Liu S, Costanza R, Farber S, Troy A
Annals of the New York Academy of Sciences [2010 Jan;1185:54-78]

Future directions in air quality research: economic issues.
(PMID:12676216)
Adams RM, Horst RL

Biocomplexity in mangrove ecosystems.
(PMID:21141670)
Feller IC, Lovelock CE, Berger U, McKee KL, Joye SB, Ball MC
Annual review of marine science [2010;2:395-417]

Ecological economics of soil erosion: a review of the current state of knowledge.
(PMID:21332496)
Adhikari B, Nadella K

[Unique ecosystem characters and ecological principles for development in the ecotones between agriculture and pasture in north China.]
(PMID:12625018)
Cheng X

The economic value of ecosystem services in the Great Barrier Reef: our state of knowledge.
(PMID:21332495)
Annals of the New York Academy of Sciences [2011 Feb;1219:113-33]

[On forest ecosystem health and its evaluation.]
(PMID:12181907)
Chen G, Dai L, Fan Z, Wang Q
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2002 May;13(5):605-10]

Understanding relationships among multiple ecosystem services.
(PMID:19845725)
Bennett EM, Peterson GD, Gordon LJ

Quantifying and mapping ecosystem services supplies and demands: a review of remote sensing applications.
(PMID:22816512)
Ayanu YZ, Conrad C, Nauss T, Wegmann M, Koellner T
Environmental science & technology [2012 Aug 21;46(16):8529-41]

A review of the elements of human well-being with an emphasis on the contribution of ecosystem services.
(PMID:22581385)
Summers JK, Smith LM, Case JL, Linthurst RA
Ambio [2012 Jun;41(4):327-40]

[A review on the eco-physiological study of poplars in oasis and its prospect].
(PMID:11767543)
Zeng F, Song X

Producer-level benefits of sustainability certification.
(PMID:22070273)
Blackman A, Rivera J

Maintaining the habitable condition of the planet: balancing technological and ecosystem services.
(PMID:9890134)
Cairns J Jr
Quality assurance (San Diego, Calif.) [1998 Jan-Mar;6(1):13-22]
Show all items

Other Related Articles - displaying 100 of 223
[Ecological regulation services of Hainan Island ecosystem and their valuation – Abstract – Europe PubMed Central

http://europepmc.org/abstract/MED/15573995

Page 7 of 18

[Forest ecosystem services and their ecological valuation – a case study of tropical forest in Jianfengling of Hainan Island.

(PMID:11767660)
Xiao H, Ouyang Z, Zhao J, Wang X

Hydrological eco-service of rubber plantations in Hainan Island and its effect on local economic development.

(PMID:14562935)
Jiang JS, Wang RS
Journal of environmental sciences (China) [2003 Sep;15(5):701-9]

[Evaluation of economic forest ecosystem services in China].

(PMID:19459385)
Wang B, Lu SW

[Evaluation of ecosystem provisioning service and its economic value].

(PMID:20462013)
Wu N, Gao JX, Sudebilige, Ricketts TH, Olwero N, Luo ZL
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2010 Feb;21(2):409-14]

[Eco-value level classification and ecosystem management strategy of broad-leaved Korean pine forest in Changbai Mountain].

(PMID:12973979)
Zheng J, Jiang F, Zeng D

[Environmental benefit-loss analysis of agro-ecosystem in Haihe River Basin, China].

(PMID:21361021)
Bai Y, Ouyang ZY, Zheng H, Xu WH, Jiang B, Fang Y

[Evaluation of forest ecosystem services value in Liaoning Province].

(PMID:20879539)
Wang B, Lu SW, You WZ, Ren XX, Xing ZK, Wang SM
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2010 Jul;21(7):1792-8]


(PMID:17974247)
Chen L, Wang RS, Wang ZL

Forest ecosystem services of changbai mountain in china.

(PMID:18763060)
Wu G, Xiao H, Zhao J, Shao G, Li J
[Dynamic changes of ecosystem service value in Pinggu District of Beijing].
(PMID:19123363)
Li B, Song XY, Xie HL, Hao LX, Zhang SH

[Measurement of terrestrial ecosystem service value in China].
(PMID:16180767)

[Lake ecosystem services and their ecological valuation--a case study of Baoan Lake in Hubei province].
(PMID:12557684)
Pan W, Tang T, Deng H, Cai Q

[Assessment of eco-environmental vulnerability of Hainan Island, China].
(PMID:19637604)
Huang BR, Ouyang ZY, Zhang HZ, Zhang LH, Zheng H

Valuing ecosystem services in terms of ecological risks and returns.
(PMID:21175826)
Abson DJ, Termansen M

EMERGY-based environmental systems assessment of a multi-purpose temperate mixed-forest watershed of the southern Appalachian Mountains, USA.
(PMID:14580723)
Tilley DR, Swank WT

[Water and soil conservation function of typical plantation forest ecosystems in semi-arid region of Western Liaoning Province].
(PMID:18333474)
Jiang P, Guo F, Luo YC, Wei J, Sun XW, Wu G
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2007 Dec;18(12):2905-9]

[Evaluation of cultural service value of aquaculture pond ecosystem: a case study in a water conservation area of Shanghai].
(PMID:20353080)
Li S, Guo ZX, Yang HY, Yang ZY

Changes in biodiversity and ecosystem function during the restoration of a tropical forest in south China.
(PMID:17447036)

[Ecosystem service value and its application in evaluation of eco-economic harmonious development].
Effects of acid deposition on terrestrial ecosystems and their rehabilitation strategies in China.
(PMID:12046292)
Feng ZW, Miao H, Zhang FZ, Huang YZ
Journal of environmental sciences (China) [2002 Apr;14(2):227-33]

[Ecological classification system of forest landscape in eastern mountainous region of Liaoning Province].
(PMID:18419066)
Tang LN, Wang QL, Dai LM, Shao GF

The value of the Ecological Station of Jatai's ecosystem services and natural capital.
(PMID:11514887)
Santos JE, Nogueira F, Pires JS, Obara AT, Pires AM
Brazilian journal of biology = Revista brasileira de biologia [2001 May;61(2):171-90]

Amazon Forest maintenance as a source of environmental services.
(PMID:18345379)
Fearnside PM
Anais da Academia Brasileira de Ciencias [2008 Mar;80(1):101-14]

Eco-environmental benefit assessment of China's South-North Water Transfer Scheme--the middle route project.
(PMID:15137661)
Journal of environmental sciences (China) [2004;16(2):308-15]

Spatiotemporal patterns and dynamics of species richness and abundance of woody plant functional groups in a tropical forest landscape of Hainan Island, South China.
(PMID:18713422)
Zhang ZD, Zang RG, Qi YD
Journal of integrative plant biology [2008 May;50(5):547-58]

Evaluation of the economic and environmental impact of converting cropland to forest: a case study in Dunhua county, China.
(PMID:17188798)
Wang C, Ouyang H, Maclaren V, Yin Y, Shao B, Boland A, Tian Y
Journal of environmental management [2007 Nov;85(3):746-56]

Variation of soil fertility and carbon sequestration by planting Hevea brasiliensis in Hainan Island, China.
(PMID:17918599)
Cheng CM, Wang RS, Jiang JS
Journal of environmental sciences (China) [2007;19(3):348-52]

Evaluation of ecosystem services of Chinese pine forests in China.
(PMID:18622750)
Guo H, Wang B, Ma X, Zhao G, Li S

Using 137Cs technique to quantify soil conservation capacities of different ecosystems in Wolong Natural Reserve, southwestern China.
Gao J, Ouyang Z

[Evaluation of resource exploitation value and ecosystem service loss in Mentougou District of Beijing City].
(LPMID:19795655)
Liu XS, Li F, Zhao D, Wang BB

[Eco-hydrological characteristics of a subtropical evergreen broadleaved forest in Japan].
(LPMID:17147158)
Xu X, Wang Q, Hirata E
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2006 Sep;17(9):1570-4]

[Water conservation functions of several artificial forest ecosystems in semi-arid region of western Liaoning Province].
(LPMID:15362608)

On measuring wealth: a case study on the state of Queensland.
(LPMID:15763157)
Asafu-Adjaye J, Brown R, Stratton A
Journal of environmental management [2005 Apr;75(2):145-55]

[Decline of protective forest and its prevention strategies from viewpoint of restoration ecology: taking Pinus sylvestris var. mongolica plantation in Zhanggutai as an example].
(LPMID:17330456)
Jiang F, Zeng D, Yu Z
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2006 Dec;17(12):2229-35]

Linking GIS-based models to value ecosystem services in an Alpine region.
(LPMID:17825979)
Grêt-Regamey A, Bebi P, Bishop ID, Schmid WA
Journal of environmental management [2008 Nov;89(3):197-208]

[Values of marine ecosystem services in Sanggou Bay].
(LPMID:18260461)
Zhang ZH, Lü JB, Ye SF, Zhu MY

[Ecological service assessment of human-dominated freshwater ecosystem with a case study in Yangzhou Prefecture, China].
(LPMID:15559806)
Journal of environmental sciences (China) [2004;16(5):755-61]

Accounting for ecosystem services in Life Cycle Assessment, Part II: toward an ecologically based LCA.
(LPMID:20180562)
Zhang Y, Baral A, Bakshi BR
Environmental science & technology [2010 Apr 1;44(7):2624-31]

[Forest biomass carbon storage and its dynamics in Tanjiang River basin.](http://europepmc.org/abstract/MED/17147160)
Yang K, Guan D, Zhou C
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2006 Sep;17(9):1579-82]

Hydroelectricity production and forest conservation in watersheds.
Guo Z, Li Y, Xiao X, Zhang L, Gan Y

The impact of policy and institutional environment on costs and benefits of sustainable agricultural land uses: the case of the Chittagong Hill Tracts, Bangladesh.
Rasul G, Thapa GB

[Effects of land use structure change on regional ecological health--taking Shapingba County as an example.](http://europepmc.org/abstract/MED/16515175)
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2005 Dec;16(12):2296-300]

Economic valuation for sustainable development in the Swedish coastal zone.
Söderqvist T, Eggert H, Olsson B, Soutukorva A
Ambio [2005 Mar;34(2):169-75]

Forest ecosystem services and eco-compensation mechanisms in China.
Environmental management [2011 Dec;48(6):1079-85]

[Strategic environmental assessment on land use programming of Shaya County, Xinjiang Uygur Autonomous Region].
Zhang F, Tashpolat T, Ding JL, Tian Y, Mamat S

Changes of land use and of ecosystem service values in Sanjiang Plain, Northeast China.
Environmental monitoring and assessment [2006 Jan;112(1-3):69-91]

Gunawardena M, Rowan JS

Mapping the economic costs and benefits of conservation.
(PMID:17076583)
Naidoo R, Ricketts TH

[Environmental impact assessment of the land use change in China based on ecosystem service value].
(PMID:17256625)

Ran SH, Liu CH, Jia KJ, Qi YH
Huan jing ke xue= Huanjing kexue / [bian ji, Zhongguo ke xue yuan huan jing ke xue wei yuan hui "Huan jing ke xue" bian ji wei yuan hui.] [2006 Oct;27(10):2139-44]

[Actual productivities of different vegetation in northwest plateau of Hebei Province and strategies of converting farmland to forest and pasture land].
(PMID:15707324)
Liu Y, Zhang L

The value of small size: loss of forest patches and ecological thresholds in southern Madagascar.
(PMID:1671035)

Bodin O, Tengö M, Norman A, Lundberg J, Elmqvist T
Ecological applications : a publication of the Ecological Society of America [2006 Apr;16(2):440-51]

[Simulation of carbon stocks of forest ecosystems in Northeast China from 1981 to 2002].
(PMID:19459359)
Zhao JF, Yan XD, Jia GS

Lacandon Maya ecosystem management: sustainable design for subsistence and environmental restoration.
(PMID:19323187)

Diemont SA, Martin JF

[Forest distribution pattern and land use strategy along urban-rural gradient].
(PMID:1706693)

[Regional ecological planning and ecological network construction: a case study of "Ji Triangle" Region].
(PMID:19803175)
Li B, Han ZL, Tong LJ

[Regional ecological construction and mission of landscape ecology].
(PMID:15624799)
Xiao D, Xie F, Wei J

[Dynamics of litters in artificial restoration process of subalpine coniferous forest].
(PMID:15669471)
Lin R, Lin O, Wu Y, He H, Qiao Y

[Landscape ecological evaluation of Fenglin Nature Reserve: quantification and interpretation].
(PMID:16110653)
Guo Q, Wang T


[Measurement and dynamic analysis of ecological capital of terrestrial ecosystem in China].
(PMID:17552198)
Zhu WQ, Zhang JS, Pan YZ, Yang XQ, Jia B


The role of prices in conserving critical natural capital.
(PMID:19076873)
Farley J


Freshwater as shared between society and ecosystems: from divided approaches to integrated challenges.
(PMID:14728797)
Falkenmark M


[Dynamic changes of Ruoergai Plateau wetland ecosystem service value].
(PMID:19803173)
Zhang XY, Lü XG, Shen SP


Quantification of the impact of land-use changes on ecosystem services: a case study in Pingbian County, China.
(PMID:17278007)
Li RQ, Dong M, Cui JY, Zhang LL, Cui QG, He WM

Environmental monitoring and assessment [2007 May;128(1-3):503-10]

[Ecological security assessment of Daling River watershed in West Liaoning Province].
(PMID:17330494)
Wang H, Wei J, Jiang P, Wu G


Cost-effectiveness of dryland forest restoration evaluated by spatial analysis of ecosystem services.
(PMID:21106761)
Birch JC, Newton AC, Aquino CA, Cantarello E, Echeverría C, Kitzberger T, Schiappacasse I, Garavito NT


[Interactive relations between agroecosystem and economic system in Loess Hilly Region--a case of Zhifanggou small watershed, Ansai County].
(PMID:19795651)
Liu J, Wang JJ

The value of biodiversity.
(PMID:19197481)
Alho CJ

[Brazilian journal of biology = Revista brasileira de biologia [2008 Nov;68(4 Suppl):1115-8]

[A services value of different landscape types in Longitudinal Range-Gorge Region].
(PMID:19102317)


Ecosystem services assessment of two watersheds of Lancang River in Yunnan, China with a decision tree approach.
(PMID:19260347)

Ambio [2009 Feb;38(1):47-54]

Hawaiian native forest conserves water relative to timber plantation: species and stand traits influence water use.
(PMID:19769092)
Kagawa A, Sack L, Duarte K, James S


[Soil nitrogen mineralization under different land use patterns in Xishuangbanna].
(PMID:15852957)
Li M, Sha L

Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue hui, Zhongguo ke yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2005 Jan;16(1):54-8]

Public timber supply, market adjustments, and local economies: economic assumptions of the Northwest Forest Plan.
(PMID:16903095)
Power TM


Partitioning beta diversity in a subtropical broad-leaved forest of China.
(PMID:19341137)
Legendre P, Mi X, Ren H, Ma K, Yu M, Sun IF, He F

Ecology [2009 Mar;90(3):663-74]

[Provincial ecological footprint of China in the year of 2002].
(PMID:16724736)
Chen M, Wang R, Zhang L, Huai B


[Changes of agroecosystem services value under effects of land consolidation].
(PMID:20560331)
Zhang Z, Gao JQ, Wei CF

Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue hui, Zhongguo ke yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2010 Mar;21(3):723-33]

[Service value assessment of orchard ecosystem: a case of Putian City of Fujian].
(PMID:22126054)
Chen J, Wu DW
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2011 Sep;22(9):2399-404]

Major ecosystems in China: dynamics and challenges for sustainable management.
(PMID:21553106)
Lü Y, Fu B, Wei W, Yu X, Sun R

Valuation of Ecological Resources and Functions.
(PMID:9419284)
Scott MJ, Bilyard GR, Link SO, Ulibarri CA, Westerdahl HE, Ricci PF, Seely HE
Environmental management [1998 Jan;22(1):49-68]

[Emergy analysis of mulberry-silkworm ecosystem in China].
(PMID:16706044)
Chen M, Jin P, Huang L, Lu X

Forest environmental investments and implications for climate change mitigation.
(PMID:16825459)
Alig RJ, Bair LS

[Early responses of soil fauna in three typical forests of south subtropical China to simulated N deposition addition].
(PMID:16252858)
Xu G, Mo J, Zhou G
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2005 Jul;16(7):1235-40]

Impact of land use and land cover changes on ecosystem services in Menglun, Xishuangbanna, Southwest China.
(PMID:18157650)
Hu H, Liu W, Cao M
Environmental monitoring and assessment [2008 Nov;146(1-3):147-56]

[Priority areas for biodiversity conservation in Hainan Island: evaluation and systematic conservation planning].
(PMID:22097374)
Zhang L, Ouyang ZY, Xiao Y, Wu WH, Zheng H, Jiang B
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban [2011 Aug;22(8):2105-12]

Intelligent databases assist transparent and sound economic valuation of ecosystem services.
(PMID:17453273)
Villa F, Ceroni M, Krivov S

Forecasting loss of ecosystem service value using a BP network: a case study of the impact of the South-to-north Water Transfer Project on the ecological environmental in Xiangfan, Hubei Province, China.
(PMID:15011969)
Chen YF, Zhou JX, Xiao J, Li YP
Biomedical and environmental sciences : BES [2003 Dec;16(4):379-91]
Ukidwe NU, Bakshi BR
Environmental science & technology [2004 Sep 15;38(18):4810-27]

[Study on the relative economic value of eco-environmental contributions].
(PMID:15623012)
Zhao JZ, Duan GM, Ren ZP, Deng HB, Wu G
Huan jing ke xue= Huanjing kexue / [bian ji, Zhongguo ke yuan hui "Huan jing ke xue" bian ji wei yuan hui] [2004 Sep;25(5):1-4]

[Utilization suitability of forest resources in typical forest zone of Changbai Mountains].
(PMID:15624803)
Hao Z, Yu D, Xiong Z, Ye J

[Characteristics of carbon stock in artificial forest ecosystem in Sichuan Province of China].
(PMID:18975736)
Huang CD, Zhang J, Yang WQ, Zhang GQ

Modeling the forest transition: forest scarcity and ecosystem service hypotheses.
(PMID:17974339)
Satake A, Rudel TK

Green space changes and planning in the capital region of China.
(PMID:21327560)
Xu X, Duan X, Sun H, Sun Q

[Economic value of ecosystem services in Mangcuo Lake drainage basin].
(PMID:12924116)
Xiao Y, Xie G, An K
Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue tai xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu su zhu ban [2003 May;14(5):676-80]

Chinese villages and their sustainable future: the European Union-China-Research Project "SUCCESS".
(PMID:17888563)
Dumreicher H
Journal of environmental management [2008 Apr;87(2):204-15]

Tropical forest cover change in the 1990s and options for future monitoring.
(PMID:15814351)
Philosophical transactions of the Royal Society of London. Series B, Biological sciences [2005 Feb 28;360(1454):373-84]

Regional patterns of soil organic carbon stocks in China.
(PMID:17126986)
Yu DS, Shi XZ, Wang HJ, Sun WX, Chen JM, Liu QH, Zhao YC
Emergy analysis of ecological-economic system in Liaoning Province.
(PMID:18533536)
Liu H, Wang Q, Li XJ, Song Y, Li GJ

Tree species control rates of free-living nitrogen fixation in a tropical rain forest.
(PMID:18959329)
Reed SC, Cleveland CC, Townsend AR
Ecology [2008 Oct;89(10):2924-34]

Molecular evidence for species status of the endangered Hainan peacock pheasant.
(PMID:18275243)
Zoological science [2008 Jan;25(1):30-5]

Nonpoint source pollution responses simulation for conversion cropland to forest in mountains by SWAT in China.
(PMID:17938997)
Environmental management [2008 Jan;41(1):79-89]

Water-use efficiency of forest ecosystems in eastern China and its relations to climatic variables.
(PMID:18069958)
The New phytologist [2008;177(4):927-37]