

<<天然有机物质在环境变化中的功能>>

图书基本信息

书名：<<天然有机物质在环境变化中的功能>>

13位ISBN编号：9787308102711

10位ISBN编号：7308102718

出版时间：2012-8

出版时间：浙江大学出版社

作者：徐建明

页数：653

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<天然有机物质在环境变化中的功能>>

内容概要

The book will be an invaluable reference for chemists , biologists , environmental scientists ecologists , soil scientists , water scientists , agronomists , global change researchers and policy makers.

书籍目录

Session 1 Formation . Structure and Characteristics of HS and NOM

Revisiting Structural Insights Provided by Analytical Pyrolysis about Humic Substances and Related Bio-and Geo—polymers

J . A . Gonz6lez-Perez,EJ . Gonz6lez-Hla,G Almendros,H . Knicker,J . M . de la Rosa,Z . Herndndez

The Role of Mineral Complexation and Metal Redox Coupling in Carbon Cycling and Stabilization

DonaML . Sparks,Chunmei Chen I

Elucidating the Biogeochemical Memory of the Oceans by Means of High—Resolution Organic Structural Spectroscopy

N . Hertkorn,M . Harir,B . P Koch,B . Michalke,Ph . Sehmitt-Kopplin Correlating Bulk Optical Spectroscopy and Ultrahigh Resolution Mass Spectrometry to Determine the Molecular

Composition of Dissolved Organic Matter in Northern Peatlands

William T Cooper,MalakM Tfaily,Jane E . Corbet,Jeffrey P Chanton

Effects of Synthetic Quinones as Electron Shuttles on Geothite Reduction and Current Generation by *Klebsiella pneumoniae* L17 ‘

XiaominLg LiangLiu . TongxuLiu,Tian

Yuan . WeiZhang,Fangbain . ShunguiZhou,YongtaoLi

Dynamics of Newly Formed Humic Acid and Fulvic Acid in Aggregates after Addition of the HC—Labelled Wheat

Straw in a Typical Hapludoll of Northeast China

SenDou,song Guan,GuangChen,Gang Wang

FTIR Analysis of Soil Organic Matter to Link the Turnover of Organic Inputs with Carbon Respiration Rates

MIC . Hernandez—Soriano . B . Kerre,B . Horemans,E . Smolders

Characterization of Soil Humic Substances Using Mid—infrared Photoacoustic Spectroscopy

ChangwenDu , ZhongqiHe,JianminZhou

Splitting of Soil Humic Acid Fluorescence on Different Fluorophores

Oteg Trubetskoj,Lubov Shaloiko , Dmitrii Demin , Hctor Marchenkov,otga Trubetskaya

Lumping or Splitting : Holistic or Fractionation Approaches to Studies of Humic Substances

MichaelH . B . Hayes , Roger S Swift

The Fate of Mineral Particles in Bulk Peat and Corresponding Humic Acids throughout an Ombrotrophic Bog

Profile : Atmospheric Dust Depositions VS Mineralization Processes

<<天然有机物质在环境变化中的功能>>

C . Zaccone,s . Pabst,TM Miano,WShotyK  
HS—Protein Associates in the Aqueous / Oil System : Composition and Colloidal Properties  
M . G Chernysheva,GA . Barn  
Integrated Physical—Chemical Procedure for Soil Organic Carbon Fractionation and Characterization during Transition to Organic Farming  
HM . Abdelrahman . D . C . Olk . C . Coccozza,D . Ventrella,E Montemurro . I Miano  
sulfur-Containing Molecules Observed in Hydrophobic and Amphiphilic Fracti-  
ons Of Dissolved Organic Matter  
by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry  
Guixue Song,Rajaa Mesfiou,Aaron Dotson . Paul Westerhoff,Patrick Hatcher  
standard and Reference Samples of Humic Acids , Fulvic Acids , and Natural Organic Matter from the suwannee  
River, Georgia—Thirty Years of Isolation and Characterization  
E . Michael Perdue  
M.  
molecular under-  
standing.  
of a Humic Acid by “ Humic  
mic ” Fractionation  
and Benefits from Preliminary , HPSEC  
Separation  
Antonio Nebbioso,Alessandro Piccoio  
Microbiological Oil Transformation to Humic . Like Substances  
E . A . Vialli,S . A . Ilarionov ,  
Genesis of Peat Humic Acid Structure and Properties within BOG  
Profiles  
Maris Klavins,Oskars Purmalis  
Influence of Biota on Low Molecular Weight Organic Acids in Soil  
Solutions.  
of Taiga and Tundra soils  
in the  
East—European Russia  
E . V Shamrikova,LV Gruzdev,E . EPunegov,E . Vanchikovd  
The complementary , use of aU EPR and SEC to Study the Structural  
Changes of Humic substances during  
Wood Waste Composting  
D\_Bikovens,V . Lepane, MakarOtgeva,T Dizhbite,G . Teheva  
Influence Of Vegetation Dynamics On Humic Substance Composition in  
Maritime Boreal Forests of Primorsky Krai  
(Russia)

<<天然有机物质在环境变化中的功能>>

- B . E Pshenichnikov, N . E Pshenichnikova  
Residue—Derived Amino Sugar Formation and Its CarbOn Use  
Efficiencv
- Zhen Bai, Samuel BodO, Pascal Boeckx, Xudong Zhang  
Studies of Humic Substances from Sediments in Galway  
Bay, Ireland
- RI Mylotte, CM . P Byrne, R . R . Chang, C . Dalton MH . B Havs  
separatjOn Of Humic Acid Constituents by Polyacrylamide Gel  
Electrophoresis in the Presence Of Concentrated  
Urea Using a Preparative Electrophoresis System
- S . Karim . M . Aoyama  
A comparsionofthe Compositional Differences between Humic Fractions  
Isolated by the IHSS and Exhaustive  
Extraction Procedures
- R . R . Chang, R . Mylotte, R . McInerney, YM , Tzou, MH . B . Hayes  
- Studies on Dynamic Change of Humic Acid in Chicken Manure  
CompOsting
- rujun Wang, Sen Dou . Jinfing Zhang  
optical PropertieS and Asymmetric Fl.  
w Field Fl.  
w Fracti.  
nati.  
n.  
f  
Diss.  
Ived organicMatter from the  
Arcachon Bay(French Atlantic Coast)
- Phuong Thanh Nguyen , Marie-Ange Cordier, Fabienne Ibaïot, Edith  
parlanti  
Hydrocolloids Prepared from Humic—Rich Lignite
- Milosiav Pekar, Mirka Machackova  
Methodical Basis of Analysis for Various Genesis Humic Acids
- V . D . Tikhova, V . P Fadeeva  
Adsorption of Extracellular Polymeric Substances(EPS) from  
Pseudomonas putida on Various Soil Particles from  
anAlfiSOI
- YCao , Q . Huang, P Cai  
Adsorption of HA Fractions with Different Molecular Weight on  
Magnetic Polyacrylic Anion Exchange Resin
- Chendong Shuang, Fei Pan , Qing Zhou, Mancheng Zhang, Aimin Li, Penghui Li  
An Innovative In Situ Spectroscopic Approach to Characterize  
Functional Groups in Natural Organic Matters  
(NOMs) and Their Interactions with Protons and Metals
- Yuan Gao , Gregory V Korshin  
Characterization and Three—Dimensional Structural Modeling of Humic  
Acid Using Molecular Dynamics
- Nan Zhao, Yintian Zheng, Yizhong Lv

<<天然有机物质在环境变化中的功能>>

Relationships between  
Polarity,Aliphaticity / Aromaticity,Fluorescence and Molecular Size  
of Soil HA  
Electrophoretic Fractions  
Olga Trubetskaya,Claire Richard,Guillaume Voyard,Oleg  
Trubetskoj  
Molecular Size Distribution and Shape of Humic Substance and  
Ferrihydrite Coprecipitated Complexes  
Claudio Colombo , GiuseppePalumbo , Ruggero R . Angelicor,Andrea  
Ceglie,JizhengHe  
Properties of Soil Organic Matter in Abounded Pastureland——a Case  
Study from the Jaworzynka Valley in the  
Tatra Mountains , Poland  
Katarzyna Wasak,MarekDrewnik  
Spectroscopic Characterization of Humic Substances Isolated from  
Sediment of an Area of Sugar Cane  
Cultivation  
GpantanoA . Santos , MC BisinotLA . B . Moreira  
Amino Acid Composition Analysis of Humic Acids Isolated by  
Sequential Alkaline Extraction from Soil  
EA . vilykh , sA . Ilarionov,A . vZhdaova  
Study of the Optical Properties of Dissolved Organic Matter in the  
Seine River Catchment(France)  
Phuong Thanh Nguyen . CamilleLopez . Caroline Bonno~Gilles  
Varrault,Marc Benedetti,  
Marie-Ange Cordier,Alexandre Gelabert,Laure Cordier,Mickael  
Tharaud,Edith Parlanti  
Assessment of the Possibility of Humic Acid Extraction from  
Vermicompost with Urea  
A . HematL H A . AlikhanL G Bagheri Maranc~,L . Mohammadi  
The Most Appropriate Way to Increase the Quality Indices of the  
Humic Acid Extracted from Vermicompost  
H A . Alikhani,A . Hemati  
Quantitation of Interactions of Suwannee River Fulvic Acid with  
Protons Based on Numerical Deconvolution of  
Differential Absorbance and Fluorescence Spectra  
Mingquan Yan , GregoryvKorshin  
Characterization of Chinese Standard Fulvic Acid Fractions Obtained  
by Sequential Extractions with  
Pyrophosphate Buffer from Forest Soil  
YingchenBai,Fengchang Wu,GuolanShi  
Humification of Pig Slurry in Presence of Sawdust  
DeborahP Dick,Marlon H . Arenhardt,CelsoAita  
Computational Screening of Environmental Proxies in Spectrometric  
Patterns from Humic Acids  
G . Almendros . Z . HernrndeZ,J . Sanz,FJ . Gonzdlez . vila  
H . Knicker,J . A . Gonzdlez-Pdrez(138)

- Assessment of Agricultural Practices on Volcanic Ash Soils Assisted by Automated Interpretation of Mid—infrared Spectra and Partial Least Squares Multivariate Statistical Approach  
Z . Herndndez,G . Almendros,J . Sanz,J . P . Pdrez-Trujillo . J . A . Gonzdlez-P&ez,F . J . Gonzdlez-Vila
- Humic Substances of Spodic Horizons in the Coastal Plain of Silo Paulo State  
JM.Lopes,P Fidal-Torrado , P Buurman,PB . Camargo
- Distribution of Humus Substances between Clay Particles of Different Peptization Level in the Meadow Soils of the Middle Priamurje , Russia  
L . A . Matiushkina r
- Study of Humification of Soil Organic Matter in a Lowland Area  
EM . M . Luz,s . C . Saab . L . M . Santos,J . A . B . Santos,M . L . SimOes,A . M . Brinatti
- Study of Humification Dynamics of Organic Residues on Vermicomposting process  
L . B . E Pigatin,A . dos Santos , E BenettL R . S Ferrer,MD . Landgraf  
M . O . 0 . Rezende
- Properties of Humic Acids as a Parameter Characteristics for Lake Bottom Sediments  
J . Cieslewicz,s . s . Gonet(1 56)
- Molecular Composition Study of Mumijo from Different Geographic Areas Using Size—Exclusion Chromatography,NMR Spectroscopy,and High - -Resolution Mass - - Spectrometry  
A . I . Konstantinov,GN . Vladimirov,A . s . Grigoryev,A . V Kudryavtsev,Lv Perminova . E . N . Nikolaev
- Morphology and Hydrophobicity of Hnmic Coatings on Glass as Studied by Atomic Force Microscopy(AFM) and Contact Angle Measurements  
A . B . Volikov,V . A . Lebedev,EKLazareva,A . M Parfenova,S . A . Ponomarenko , IVPerminova
- Soil Oxidizable Organic Carbon Fractions under Organic Management with Industrial Residue of Roasted Mate Tea  
EB . Pereira,R . C . Santos . K . C . Lombardi,A . N . Dias,c . M . B . E Maia
- Application of Thermal Analysis and Isotope Ratio Mass Spectrometry to Determine the Stability and Function of Soil Organic Matter in Forest Systems  
Garrett C.Liles , William R . Horwath
- Changes in Selected Hydrophobic Components during Composting of Municipal Solid Waste  
Jakub Belder,Jerzy Drozd,Jerzy Weber,Bogdan Jarosz,E12bietaJamroz
- The Release of Dissolved Organic Carbon in Paddy Soils under

<<天然有机物质在环境变化中的功能>>

Contrasting Redox Status

Jiajiang Lin , Yan He, Jiachun Shi, Xingmei Liu, Jianming Xu  
Content of Organic Carbon and Nitrogen as Well as Root Mass in  
Meadow Soils under a Combined Slope and  
Flood Irrigation System

A . Dziamski, M . Banach-szott, M . Drag, Z . Stypcynska  
A Novel Polymer Blend Based on Sodium Humate / PVP / PEG  
Ahmet Tutar, Miimin Dizman

Temperature Dependence of the Reaction Between the Hydroxyl Radical  
and Organic Matter

G McKay, M . M . Dong, J . Kleinman . S . P Mezyk, EL . Rosario—Ortiz  
Aggregation Kinetics of Humic Acid : Effects of  
Ca<sup>2+</sup> Concentration

MS . Kloster, M . Brigante, G Zanini, M . J . Avena  
Surface Activity of Humic Substances within Peat Profile

Oskars Purmalis , Maris Klavins

Session 2 HS / NoM and Carbon Sequestration

Sequestration and Loss of Organic Carbon in Inland Waters——from  
Micro - Scale to Global Scale

Lars J . Tranvik . Cristian Gudasz, Birgit Koehler, Dolly Kothawala  
Carbon Sequestration in Subtropical Oxisol Profiles : Retention  
Capacity and Effect of Soil Management

Deborah P. Dick, Cecilia S . Reis . Cim~lio Bayer, Jennifer S . Caldas  
Electron Transfer Capacity as a Rapid Index for Soil Organic Carbon  
Stability

Ran Bi, yua , Yuan , Li Zhuang, Shungui Zhou  
Carbon Sequestration Rates in Organic Layers of Soils under the  
Grey Poplar (*Populus x canescens*) Stands  
Impacted by Heavy Metal Pollution

Agnieszka Medyhska-Jurasze~Leszek Kuchar  
CO<sub>2</sub> , Sequestration by Humic Substances and the Contribution of  
Quinones and Quinone Imines : Consideration on  
the Molecular Scale

E Liebner, M Wieland, T Hosoya, G Pour, A . Potthast, T Rosenau  
Carbon Sequestration in Organic Farming  
Raymond Liu, Jianming Xu, C. Edward Clapp  
Field Temperature Dominantly Affected Soil Organic Carbon Stability  
along an Altitudinal Gradient in Changbai  
Mountain , Northeast China

Q . X. Tian, HB . He, XD . Zhang  
Organic Carbon and Humic Substances Fractions in Soil  
Aggregates

S . S . GoneL H Czachor, M . Markiewicz  
Structural Features of Humic Substances as Biogeochemical Proxies  
for Soil Carbon Stabilization and Ecosystem  
Functions

F . J . Gonzdlez-Hla, G . Almendros . J . A . Gonzdlez-P~rez, Z . Herndndez, H



<<天然有机物质在环境变化中的功能>>

Knicker,

A . Piedra-Buena, JM de 沈la Rosa

COntribution of High Accumulated Polyphenols to C Stabilization in Soil of Tea Gardens

M Zhang, D . M Fan , Q . zhuyP . Luo , XC Wang

Influence of Soil Use on Organic Carbon and Humic Substances of an Oxisol in Tropical Systems

N . V Llerme, E . C . Jose . S . GP Junior

Soil Organic Carbon Sequestration under Long—Term Manure and Straw Fertilization in North and Northeast

China by Roth—C Model Simulation

Minggang Xu, Jinzhou Wang Chang ' ai Lu

The Carbon Sequestration in Moso Bamboo Plantation and Its Spatial Variation in Anji County of Southeastern

China

Keli Zhao , WeUunFu , PeikunJiang, Guomo Zhon

Using ArcGIS and Geostatistics to Study Spatial Paem of Forest Litter Carbon Density in Zhejiang Province ,

China

We~un Fu, Keli Zhao , Peikun Jiang, Guomo Zhou

Wild . Fire Induced Changes in the Quantity and Quality of Humic Material Associated to the Mineral Phase

M . Lop~z Martin . M . Velasco—Molina, F . J . Gonzdlez—Hla, H . Knicker

The POtential of Humic Material in Sombric . Like Horizons of Two Brazilian Soil Profiles as an Efficient Carbon

Sink within the Global C Cycle

M . Velasco—Molina, H Knicker, E Mac&amp;s

Session 3 HS / NoM and Biogeochemical Cycling of Nutrients

Field Assessment of Humic Substance Effect on Phosphate Rock Solubilization

o . O . Adesanwo . M . 1 Adetunji, S . Diatta

Effect of Calcium Boro . Humate Application on the Yield Performance of Cotton

K. Dhanasekaran , R . Priyarani

Changes in the Composition of Soil Dissolved Organic Matter after Application of Poultry Manure

D . Pezzolla . S . Gizzi, C . Zadra, A . Agnelli, L . Roscini, G Gigliotti

Long—Term Fertilization Effects on B—glucosaminidase Activity in a Chinese Mollisol

Wei Zhang, Xudong Zhang, Hongbo He

Stoichiometric Effect of Labile C and N on the Transformation

Dynamics of Soil Amino Acids

Xudong Zhang, Hongbo He , Wei Zhang

Nitrogen Release from Natural and Aminoorganosilane—Modified Humic Substances

N . A . Kulikova . O . L

Philippova, Ya . S . Bychkova . A . B . Volikov, I . V. Perminova

<<天然有机物质在环境变化中的功能>>

Alkalinity Generation by Agricultural Residues under Field Conditions

C . R . Butterly, J . A . Baldock, C . TcIng

Leaching of Dissolved Organic Carbon(DOC) as Affected by Plant Residue Composition and Soil pH

KongcaoXiao , Jian Zhou, XingmeiLiu, Jianjun Wu , JianmingXu

Abundant and Stable Char Residues in Soils : Implications for Soil Fertility and Carbon Sequestration

J . D . Ma0 . R . L . Johnson , Lehmann , D . C 0lk, E . G

Neves , M . L . Thompson , K.Schmidt-Rohr(268)

Importance of Harvesting Time of Winter Cover Crop Rye as Green Manure on Controlling CH<sub>4</sub> Production in

Paddy Soil Condition

Sang Yoon Kdm . Hyo Suk Gwon . Yong Gwon Pnrlc, I-Iyun YoungHwang, Pil Joo IOm

Characterization of Humic Fractions in Leachates from Soil under Organic and Conventional Management and

Their Interactions with the Root Zone

I Vujinovic . M . Contin, S . Cesco . R . Pinton . N . Tomasi, P . Ceccon . M . De Nobili

Session 4 HS / NoM and the Environmental Processes of Toxic Elements and

Anthropogenic Organics

Effect of Carbonaceous Soil Amendments on Potential Mobility of Weak Acid Herbicides in Soil

WilliamCKoskinen, AlegriaCabrera, KurtA . Spokas, LuciaCox, JenniferL . Rittenhouse, PamelaJRice

Role of Natural Organic Matter as Sorption Suppressant in Soil

Joseph , Pignatello

Comparison of Thermal and Chemical Stability of Cu—Humic Complexes

Martina Kluddkovd, Krist)kna Novddkovd

Correlation between Humic—Like Substances and Heavy Metals in Composts

M . Elisabete E Silva, L . Teixeira de

Lemos . 0 . C . Nunes . A . C . Cunha—Queda

Influence of Organic Matter from Urban Effluents on Trace Metal

Speciation and Bioavailability in River under

Strong Urban Pressure

Z . Matar . G . Chebbo . MI

Troupel, L . Boudhamane, E . Parlanti, E . Uher, C . Gourlay, G . Varrault

Mechanisms of Detoxification by Humic Substances

N . S . Kudryasheva, A . S . Tarasova . E . s . Fedorovat

编辑推荐

《天然有机物质在环境变化中的功能(英文版)》 will be an invaluable reference for chemists , biologists , environmental scientists ecologists , soil scientists , water scientists , agronomists , global change researchers and policy makers。

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>