

## Articles

### Fossil Fuels

- |      |  |                              |
|------|--|------------------------------|
| 4849 | <b>How Naturally Adsorbed Material on Minerals Affects Low Salinity Enhanced Oil Recovery</b><br>J. Matthiesen,* N. Bovet, E. Hilner, M. P. Andersson, D. A. Schmidt, K. J. Webb, K. N. Dalby, T. Hassenkam, J. Crouch, I. R. Collins, and S. L. S. Stipp              | dx.doi.org/10.1021/ef500218x |
| 4859 | <b>Heuristics for Equilibrium Distributions of Asphaltenes in the Presence of GOR Gradients</b><br>Denise E. Freed,* Oliver C. Mullins, and Julian Y. Zuo  | dx.doi.org/10.1021/ef500680v |
| 4870 | <b>Evolution of Tar in Coal Pyrolysis in Conditions Relevant to Moving Bed Gasification</b><br>Cesar Berruero, Esther Lorente, Daniel Van Niekerk, and Marcos Millan*  | dx.doi.org/10.1021/ef500633p |
| 4877 | <b>Maturity-Driven Generation and Transformation of Acidic Compounds in the Organic-Rich Posidonia Shale as Revealed by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry</b><br>Stefanie Poetz,* Brian Horsfield,† and Heinz Wilkes | dx.doi.org/10.1021/ef500688s |
| 4889 | <b>Study of Fuel Assessment and Adulteration Using EEMF and Multiway PCA</b><br>Safwan M. Obaidat,* Mohammad M. Al-Ktash, and Idrees F. Al-Momani  | dx.doi.org/10.1021/ef500718e |
| 4895 | <b>Experimental Study of the Impinging Flame Height in an Opposed Multi-burner Gasifier</b><br>Puxing Fan, Yan Gong, Qing Zhang, Qinghua Guo, and Guangsuo Yu*   | dx.doi.org/10.1021/ef5007287 |
| 4905 | <b>Precipitation of Asphaltenes and Resins at the Toluene–Silica Interface: An Example of Precipitation Promoted by Local Electrical Fields Present at the Silica–Toluene Interface</b><br>Sócrates Acevedo,* Jimmy Castillo, and Edgar Hernán Del Carpio              | dx.doi.org/10.1021/ef5008984 |

4918

Migration of Emulsified Water Droplets in Petroleum Sludge during Centrifugation  
Qunxing Huang,\* Felyan Mao, Xu Han, Jianhua Yan, and Yong Chi

dx.doi.org/10.1021/ef5008837

4925

Experimental Investigation of Interactions between Water and a Lower Silurian Chinese Shale  
Weina Yuan, Xiao Li, Zhejun Pan,\* Luke D. Connell, Shouding Li, and Jianming He

dx.doi.org/10.1021/ef500915k

4934

Catalytic Upgrading of In Situ Coal Pyrolysis Tar over Ni-Char Catalyst with Different Additives  
Jiangze Han, Xiaoxing Liu, Junrong Yue, Bingfeng Xi, Shiqiu Gao,\* and Guangwen Xu\*

dx.doi.org/10.1021/ef500927d

4942

Impact of the Temperature, Pressure, and Particle Size on Tar Composition from Pyrolysis of Three Ranks of Chinese Coals  
Xiaomin Gong, Ze Wang, Shuang Deng, Songgeng Li,\* Wenli Song, and Weigang Lin

dx.doi.org/10.1021/ef500986h

4949

One-Dimensional Dynamic Modeling of a Single-Stage Downward-Firing Entrained-Flow Coal Gasifier  
Job S. Kasule, Richard Turton,\* Debangsu Bhattacharyya,\* and Stephen E. Zitney

dx.doi.org/10.1021/ef5010122

4958

Cetane Number Assessment in Diesel Fuel by <sup>1</sup>H or Hydrogen Nuclear Magnetic Resonance-Based Multivariate Calibration  
Cinthia R. Souza, Aline H. Silva, Noemi Nagata, João Luiz T. Ribas, Fabio Simonelli, and Andersson Barison\*

dx.doi.org/10.1021/ef501000a

4963

A Novel Solid-Liquid Equilibrium Model for Describing the Adsorption of Associating Asphaltene Molecules onto Solid Surfaces Based on the "Chemical Theory"  
Tatiana Montoya, Diana Coral, Camilo A. Franco, Nashaat N. Nassar,\* and Farid B. Cortés\*

dx.doi.org/10.1021/ef501020d

4976

Experimental and Modeling Study on the Thermal Decomposition of Jet Propellant-10  
Nick M. Vandewiele, Gregory R. Magoon, Kevin M. Van Geem, Marie-Françoise Reyniers,\* William H. Green, and Guy B. Marin

dx.doi.org/10.1021/ef500936m

4986

Water Adsorption and Desorption of Upgraded Brown Coal. Part 1: Isotherms of Adsorption and Desorption  
Takuo Shigehisa,\* Toshinori Inoue, and Haruo Kumagai

dx.doi.org/10.1021/ef501029r

Hydraulic Fracturing Additives and the Delayed Onset of Hydrogen Sulfide in Shale Gas  
Payman Pirzadeh, Kevin L. Lesage, and Robert A. Marriott\*

5002

Cluster of Asphaltene Nanoaggregates by DC Conductivity and Centrifugation  
Lamia Goual, Mohammad Sedghi, Farshid Mostowfi, Richard McFarlane, Andrew E. Pomerantz, Soheil Saraji, and Oliver C. Mullins\*

dx.doi.org/10.1021/ef5010682

5014

Visbreaking Oilsands-Derived Bitumen in the Temperature Range of 340–400 °C  
Lin Wang, Ashley Zachariah, Shaofeng Yang, Vinay Prasad, and Arno de Klerk\*

dx.doi.org/10.1021/ef501128p

5023

Moisture Readsorption Performance of Air-Dried and Hydrothermally Dewatered Lignite  
Chengbo Man, Yinhe Liu, Xin Zhu, and Defu Che\*

dx.doi.org/10.1021/ef501255n

5031

Coal-Bearing Organic Shale Geological Evaluation of Huainan–Huabei Coalfield, China  
Guochang Wang,\* Yiwen Ju, Yuan Bao, Zhifeng Yan, Xiaoshi Li, Hongling Bu, and Qingguang Li

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5043

Solid-Phase Extraction Fractionation To Extend the Characterization of Naphthenic Acids in Crude Oil by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry  
Steven M. Rowland, Winston K. Robbins, Yuri E. Corilo, Alan G. Marshall, and Ryan P. Rodgers\*

dx.doi.org/10.1021/ef5015023

## Biofuels and Biomass

5049

Experimental Investigation of the Oxidative Pyrolysis Mechanism of Pinewood on a Fixed-Bed Reactor  
Shanhui Zhao, Yonghao Luo,\* Yi Su, Yunliang Zhang, and Yufeng Long

dx.doi.org/10.1021/ef500612q

5057

Characterization of Gaseous- and Particle-Phase Emissions from the Combustion of Biomass-Residue-Derived Fuels in a Small Residential Boiler  
Edvinas Krugly, Dainius Martuzevicius,\* Egidijus Puida, Kestutis Buinevicius, Inga Staslulaitiene, Inga Radziuniene, Algirdas Minikauskas, and Linas Kliucininkas

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5067

Generating Fermentable Sugars from Rice Straw Using Functionally Active Cellulolytic Enzymes from *Aspergillus niger* HO  
Rekha Rawat, Neha Srivastava, Bhupinder Singh Chadha, and Harinder Singh Oberoi\*

dx.doi.org/10.1021/ef500891g

- 5076 dx.doi.org/10.1021/ef501023q  
**Combustion and Emissions Characterization of Biodiesel Blends in a City-Car Engine**  
Giancarlo Chiatti, Ornella Chiavola,\* Fulvio Palmieri, and Stefano Albertini
- 5086 dx.doi.org/10.1021/ef5009693  
**Ash Composition in Cassava Stems Originating from Different Locations, Varieties, and Harvest Times**  
Maogui Wei, Wanbin Zhu,\* Guanghui Xie, Torbjörn A. Lestander, Jishi Wang, and Shaojun Xiong
- 5095 dx.doi.org/10.1021/ef5006012  
**Fractional Condensation of Multicomponent Vapors from Pyrolysis of Cotton Stalk**  
Haiqing Sui, Haiping Yang,\* Jingai Shao, Xianhua Wang, Yunchao Li, and Hanping Chen
- 5103 dx.doi.org/10.1021/ef500641c  
**Comparative Study of Biomass Fast Pyrolysis and Direct Liquefaction for Bio-Oils Production: Products Yield and Characterizations**  
Nicolas Doassans-Carrère, Jean-Henry Ferrasse,\* Olivier Boutin, Guillaín Mauviel, and Jacques Lédé
- 5112 5 dx.doi.org/10.1021/ef500676z  
**Synthesis of Diesel or Jet Fuel Range Cycloalkanes with 2-Methylfuran and Cyclopentanone from Lignocellulose**  
Guangyi Li, Ning Li,\* Xinkui Wang, Xueru Sheng, Shanshan Li, Aiqin Wang, Yu Cong, Xiaodong Wang, and Tao Zhang\*
- 5119 dx.doi.org/10.1021/ef500725c  
**Characterization of Modified Biochars Derived from Bamboo Pyrolysis and Their Utilization for Target Component (Furfural) Adsorption**  
Yunchao Li, Jingai Shao, Xianhua Wang,\* Yong Deng, Haiping Yang, and Hanping Chen
- 5128 dx.doi.org/10.1021/ef500776u  
**Effect of Different Alcohols and Palm and Palm Kernel (Palmist) Oils on Biofuel Properties for Special Uses**  
Claudia Cristina Cardoso Bejaq,\* Vinicius Guilherme Celante, Eustáquio Vinicius Ribeiro de Castro, and Ványa Márcia Duarte Pasa
- 5136 dx.doi.org/10.1021/ef500854z  
**Corrosive Properties Prediction from Olive Byproducts Solid Biofuel by Near Infrared Spectroscopy**  
J. Mata-Sánchez, José A. Pérez-Jiménez,\* Manuel J. Díaz-Villanueva, A. Serrano, N. Núñez-Sánchez, and Francisco J. López-Giménez
- 5144 5 dx.doi.org/10.1021/ef5009715  
**Effect of Temperature, Pressure, and Residence Time on Pyrolysis of Pine in an Entrained Flow Reactor**  
Gautami Newalkar, Kristiina Iisa,\* Andrew D. D'Amico, Carsten Sievers, and Pradeep Agrawal\*
- 5158 5 dx.doi.org/10.1021/ef500981k  
**Behavior of Heavy Metals during Fluidized Bed Combustion of Poultry Litter**  
Deirdre Lynch, Fiona Low, Anne Marie Henihan, Alberto Garcia, Witold Kwapinski, Lian Zhang, and James J. Leahy\*
- 5167 dx.doi.org/10.1021/ef500999z  
**Effect of Pyrolysis Temperature and Sulfuric Acid During the Fast Pyrolysis of Cellulose and Douglas Fir in an Atmospheric Pressure Wire Mesh Reactor**  
Zhouhong Wang, Shuai Zhou, Brennan Pecha, Roel J. M. Westerhof, and Manuel Garcia-Perez\*
- 5178 dx.doi.org/10.1021/ef501040j  
**Hydrothermal Liquefaction of Microalgae in an Ethanol–Water Co-Solvent To Produce Biocrude Oil**  
Jixiang Zhang\* and Yuanhui Zhang
- 5184 dx.doi.org/10.1021/ef5010557  
**Eulerian–Lagrangian Simulation of Biomass Gasification Behavior in a High-Temperature Entrained-Flow Reactor**  
Xiaoke Ku,\* Tian Li, and Terese Lovås
- 5197 dx.doi.org/10.1021/ef501081d  
**Synthesis of Ethylic Esters for Biodiesel Purposes Using Lipases Naturally Immobilized in a Fermented Solid Produced Using *Rhizopus microsporus***  
Erika Zago, Vanderleia Botton, Dayane Alberton, Jesús Córdova, Carlos Itsuo Yamamoto, Lilian Cristina Cocco, David Alexander Mitchell, and Nadia Krieger\*
- 5204 dx.doi.org/10.1021/ef501112q  
**Formation of Anhydro-sugars in the Primary Volatiles and Solid-Residues from Cellulose Fast Pyrolysis in a Wire-Mesh Reactor**  
Xun Gong, Yun Yu,\* Xiangpeng Gao, Yu Qiao, Minghou Xu,\* and Hongwei Wu
- 5212 dx.doi.org/10.1021/ef501261y  
**Autothermal Catalytic Reforming of Pine-Wood-Derived Fast Pyrolysis Oil in a 1.5 kg/h Pilot Installation: Performance of Monolithic Catalysts**  
Evert J. Leijenhorst,\* William Wolters, Bert van de Beld, and Wolter Prins
- 5222 5 dx.doi.org/10.1021/ef5013038  
**Electrical Conductivity and pH<sub>2</sub> Response of Fuel Ethanol Contaminants**  
Jon Luecke and Robert L. McCormick\*
- 5229 5 dx.doi.org/10.1021/ef5013648  
**Density Functional Theory Study of the Concerted Pyrolysis Mechanism for Lignin Models**  
Thomas Elder\* and Ariana Beste

- 5236 dx.doi.org/10.1021/ef501397h  
**Vegetable Oil Deacidification by Methanol Heterogeneously Catalyzed Esterification in (Monophasic Liquid)/Solid Batch**  
Sam Van Wesenbeeck, Wolter Prins, Frederik Ronsse, and Michael Jerry Antal Jr.\*
- 5318 5 dx.doi.org/10.1021/ef500875c  
**Sewage Sludge Carbonization for Biochar Applications. Fate of Heavy Metals**  
Sam Van Wesenbeeck, Wolter Prins, Frederik Ronsse, and Michael Jerry Antal Jr.\*

## Environmental and Carbon Dioxide Issues

5241 dx.doi.org/10.1021/ef500239b  
Adsorption Behavior of CO<sub>2</sub> in Coal and Coal Char  
Shanmuganathan Ramasamy, Pavan Pramod Sripada, Md Moniruzzaman Khan, Su Tian, Japan Trivedi, and Rajender Gupta\*

5252 dx.doi.org/10.1021/ef501170d  
Novel Non-aqueous Amine Solvents for Biogas Upgrading  
Francesco Barzagli, Sarah Lai, Fabrizio Mani,\* and Piero Stoppioni

5259 dx.doi.org/10.1021/ef500572b  
Performance of a Bench-Scale Fast Fluidized Bed Carbonator  
Sharat K. Pathi, Weigang Lin, Jytte B. Illerup,\* Kim Dam-Johansen, and Klaus Hjulser

5270 dx.doi.org/10.1021/ef500645a  
Dry De-NO<sub>x</sub> Process via Gas-Phase Photochemical Oxidation Using an Ultraviolet and Aerosolized H<sub>2</sub>O/H<sub>2</sub>O<sub>2</sub> Hybrid System  
Jeongan Choi, Kang Soo Lee, Dong Yun Chol, Yong Jin Kim, and Sang Soo Kim\*

5277 dx.doi.org/10.1021/ef500730c  
Comparison of the Lipid Content and Biodiesel Production from Municipal Sludge Using Three Extraction Methods  
Fenfen Zhu,\* Luyao Zhao, Huimin Jiang, Zhaolong Zhang, Yiqun Xiong, Juanjuan Qi, and Jiawei Wang

5284 dx.doi.org/10.1021/ef500834b  
Improvements in the Pre-Combustion Carbon Dioxide Sorption Capacity of a Magnesium Oxide–Cesium Carbonate Sorbent  
Christian Vogt, Shery L. Y. Chang, Jamileh Taghavimoghaddam, and Alan L. Chaffee\*

5296 dx.doi.org/10.1021/ef500806p  
SO<sub>2</sub> Emissions and Removal by Ash in Coal-Fired Oxy-Fuel Combustion  
Reinhold Spörl,\* Johannes Walker, Lawrence Belo, Kalpit Shah, Rohan Stanger, Jörg Maier, Terry Wall, and Günter Scheffknecht

5307 dx.doi.org/10.1021/ef500861e  
Determination of Sticking Probability Based on the Critical Velocity Derived from a Visco-Elastoplastic Model to Characterize Ash Deposition in an Entrained Flow Gasifier  
LaTosha M. Gibson, Lawrence J. Shadle, and Sarma V. Pisupati\*

5327 dx.doi.org/10.1021/ef500925h  
Can Carbon Dioxide Capture and Storage from Power Plants Reduce the Environmental Impact of Electricity Generation?  
Fontina Petrakopoulou\* and George Tsatsaronis

5339 dx.doi.org/10.1021/ef500998v  
Oxidative Desulfurization Using *in-Situ*-Generated Peroxides in Diesel by Light Irradiation  
Wei Zhang, Jing Xiao,\* Xun Wang, Guang Miao, Feiyan Ye, and Zhong Li\*

5345 dx.doi.org/10.1021/ef501089e  
CO<sub>2</sub> Capture by CaO in Molten CaF<sub>2</sub>-CaCl<sub>2</sub>: Optimization of the Process and Cyclability of CO<sub>2</sub> Capture  
Viktorija Tomkute,\* Asbjørn Solheim, and Espen Olsen

5354 dx.doi.org/10.1021/ef501174m  
Improvement in Regeneration Properties and Multicycle Stability for K<sub>2</sub>CO<sub>3</sub>/Al<sub>2</sub>O<sub>3</sub> Adsorbents for CO<sub>2</sub> Removal from Flue Gas  
Surajit Sengupta, Satyanarayana Akuri Reddy, Rajeshwer Dongara, Asit Kumar Das,\* Haripada Bhunia, and Pramod Kumar Bajpai

5363 dx.doi.org/10.1021/ef501203v  
Performance of Hydration Reactivated Ca Looping Sorbents in a Pilot-Scale, Oxy-fired Dual Fluid Bed Unit  
Vlatko Materić,\* Robert Symonds, Dennis Lu, Robert Holt, and Vasilije Manović

## Catalysis and Kinetics

5373 dx.doi.org/10.1021/ef501156b  
Pyrolysis Mechanism of Metal-Ion-Exchanged Lignite: A Combined Reactive Force Field and Density Functional Theory Study  
Guang-Yue Li, Quan-An Xie, Hang Zhang, Rui Guo, Feng Wang, and Ying-Hua Liang\*

5382 dx.doi.org/10.1021/ef500374c  
Catalytic Cracking of RP-3 Jet Fuel over Pt/CeO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> by Adding Cu/ZSM-5  
Yi Jiao, Jianli Wang,\* Quan Zhu, Xiangyuan Li, and Yaoqiang Chen

5389 dx.doi.org/10.1021/ef500684r  
Solid Formation during Composite-Ionic-Liquid-Catalyzed Isobutane Alkylation  
Hao Ma, Rui Zhang, Xianghai Meng, Zhichang Liu,\* Halyan Liu, Chunming Xu, Rentan Chen, Peter A. A. Klusener,\* and Jan de With

5396 dx.doi.org/10.1021/ef5008243  
Cocracking Kinetics of PE/PP and PE/Hydrocarbon Mixtures (I) PE/PP Mixtures  
Xiaodong Jing, Guoxun Yan, Yuehong Zhao,\* Hao Wen, and Zhihong Xu

5406 dx.doi.org/10.1021/ef501100b  
Kinetics of Hematite to Wüstite by Hydrogen for Chemical Looping Combustion  
Esmail R. Monazam, Ronald W. Breault,\* and Ranjani Siriwardane

## Combustion

5415 3 dx.doi.org/10.1021/ef401903y  
Three-Dimensional Simulations of Steady Perforated-Plate Stabilized Propane–Air Premixed Flames  
E. V. Jithin, V. Ratna Kishore,\* and Robin John Varghese

5426 3 dx.doi.org/10.1021/ef5002502  
Flux Projection Tree Method for Mechanism Reduction  
Ai-Ke Liu, Yi Jiao, Shuhao Li, Fan Wang,\* and Xiang-Yuan Li\*

5434 dx.doi.org/10.1021/ef5012403  
Modeling of Oxidation and Reduction of a Copper-Based Oxygen Carrier  
Juan C. Maya and Farid Chejne\*

5445 dx.doi.org/10.1021/ef500535j  
Ignition Characteristics of Diesel Fuel in a Constant Volume Bomb under Diesel-Like Conditions. Effect of the Operation Parameters  
Magín Lapuerta,\* Josep Sanz-Argent, and Robert R. Raine

5455 dx.doi.org/10.1021/ef500621w  
An Agglomeration Index for CaO Addition (as CaCO<sub>3</sub>) to Prevent Defluidization: Application to a Full-Scale Poultry Litter Fired FBC  
Pieter Billen,\* José Costa, Liza van der Aa, Luc Westdorp, Jo Van Caneghem, and Carlo Vandecasteele

5463 dx.doi.org/10.1021/ef500565t  
Combustion Characterization and Ignition Delay Modeling of Low- and High-Cetane Alternative Diesel Fuels in a Marine Diesel Engine  
John Petersen, Doug Seivwright, Patrick Caton,\* and Knox Millsaps

5472 dx.doi.org/10.1021/ef500855w  
Sulfur Capture by Fly Ash in Air and Oxy-fuel Pulverized Fuel Combustion  
Lawrence P. Belo, Reinhold Spörl, Kalpit V. Shah, Liza K. Elliott, Rohan J. Stanger, Jörg Maier, and Terry F. Wall\*

5565 3 dx.doi.org/10.1021/ef501415k  
Characterization of Crude Oil by Real Component Surrogates  
Anton M. Reiter, Thomas Wallek,\* Philipp Mair-Zelenka, Matthäus Siebenhofer, and Peter Reinberger

5480 3 dx.doi.org/10.1021/ef500867p  
Kinetic and Numerical Study on the Effects of Di-tert-butyl Peroxide Additive on the Reactivity of Methanol and Ethanol  
Hu Wang,\* Adam B. Dempsey, Mingfa Yao, Ming Jia, and Rolf D. Reitz

5489 3 dx.doi.org/10.1021/ef500873e  
Experimental and Kinetic Study on Ignition Delay Times of Di-*n*-butyl Ether at High Temperatures  
Li Guan, Chenglong Tang,\* Ke Yang, Jun Mo, and Zuohua Huang\*

5497 3 dx.doi.org/10.1021/ef5009924  
NO Emissions from Oxidizer-Staged Combustion of Superfine Pulverized Coal in the O<sub>2</sub>/CO<sub>2</sub> Atmosphere  
Jiaxun Liu, Xiumin Jiang,\* Jun Shen, and Hai Zhang

5505 3 dx.doi.org/10.1021/ef5010072  
Shock-Tube Study on Ethylcyclohexane Ignition  
Zemin Tian, Yingjia Zhang,\* Lun Pan, Jiaxiang Zhang, Feiyu Yang, Xue Jiang, and Zuohua Huang\*

5515 dx.doi.org/10.1021/ef5010489  
Experimental and Modeling Studies on Ignition Delay Times of Methyl Hexanoate/*n*-Butanol Blend Fuels at Elevated Pressures  
Yue Wang, Zheng Yang, Xin Yang, Dong Han, Zhen Huang, and Xingcai Lu\*

5523 dx.doi.org/10.1021/ef501095r  
Three-Dimensional Eulerian–Eulerian Modeling of Gaseous Pollutant Emissions from Circulating Fluidized-Bed Combustors  
Jun Xie, Wenqi Zhong,\* Baosheng Jin, Yingjuan Shao, and Hao Liu

5534 dx.doi.org/10.1021/ef501205w  
Experimental Study on Combustion Characteristics of Residual Carbon in Fly Ash at High Concentration of Oxygen in a Circulating Fluidized Bed Combustor  
Lin Mei, Quanhai Wang,\* Xiaofeng Lu, Yu Yang, Zhi Pan, Yong Hong, Chunquan Fang, Hong Guo, and Xiangdong Yang

## Process Engineering

5543 dx.doi.org/10.1021/ef501225c  
Effect of the Feed Substrate Concentration on the Dynamic Performance of the Bioethanol Fermentation Process Using *Zymomonas mobilis*  
Ibrahim Hassan Mustafa, Hedia Fgaier, Ali Elkamel,\* Ali Lohi, Gamal Ibrahim, and Said Salah Eldin Hamed Elnashaie

5557 dx.doi.org/10.1021/ef5012534  
Development of an Integrated Oil Shale Refinery with Retorting Gas Steam Reforming for Hydrogen Production  
Siyu Yang, Jun Zhang, Qingchun Yang, and Yu Qian\*