ISSN: 2278-1862



 **Journal of Alicable Chemistry**

 **2016, 5 (1): 299-300**

 (International Peer Reviewed Journal)

|  |
| --- |
|  |

**Editors’ choice**

| **Organic molecules on Mars** |
| --- |
|  |
| An Electrochemically Based Total Organic Carbon Analyzer for Planetary and Terrestrial On-Site Alications | Anal. Chem., 2012, 84 (14), 6271–6276 |
| Shannon T. Stroble and Samuel P. Kounaves |
|  |
| Measurement of the 13C/12C of Atmospheric CH4 Using Near-Infrared (NIR) Cavity Ring-Down Spectroscopy  | Anal. Chem., 2013, 85 (23), 11250–11257 |
| Y. Chen, Kevin. K. Lehmann, J. Kessler, B. Sherwood Lollar, G. LacrampeCouloume, and T. C. Onstott |
|  |
| Methane on Mars: PLANETARY CHEMISTRY: Detection of gas plumes reinvigorates debate over the existence of martian microbes | Chem. Eng. News, 2009, 87 (3), p 11 |
| Elizabeth Wilson |
|  |
| Organics Exposure in Orbit (OREOcube): A Next-Generation Space Exposure Platform  | Langmuir, 2014, 30 (44), 13217–13227 |
| Andreas Elsaesser, Richard C. Quinn, Pascale Ehrenfreund, Andrew L. Mattioda, Antonio J. Ricco, JasonAlonzo, Alex Breitenbach, Yee Kim Chan, AurelienFresneau, FaridSalama, and Orlando Santos |

| **Inorganic molecules on Mars** |
| --- |
|  |
| Radiation-Induced Formation of Chlorine Oxides and Their Potential Role in the Origin of Martian Perchlorates  | J. Am. Chem. Soc., 2013, 135 (13), 4910–4913 |
| Yong S. Kim, Kellie P. Wo, SurajitMaity, Sushil K. Atreya, and Ralf I. Kaiser |
|  |
| Heteroatom-Transfer Coupled Photoreduction and Carbon Dioxide Fixation on Metal Oxides  | J. Phys. Chem. C, 2012, 116 (17), 9461–9471 |
| Ilya A. Shkrob, Nada M. Dimitrijevic, Timothy W. Marin, Haiying He, andPeter Zapol |
|  |

| **Chemical reactions on Mars** |
| --- |
|  |
| Photooxidation of Chloride by Oxide Minerals: Implications for Perchlorate on Mars | J. Am. Chem. Soc., 2011, 133 (44), 17521–17523 |
| Jennifer D. Schuttlefield, Justin B. Sambur, Melissa Gelwicks, Carrick M. Eggleston, and B. A. Parkinson |
|  |
| Radiation-Induced Formation of Chlorine Oxides and Their Potential Role in the Origin of Martian Perchlorates | *J. Am. Chem. Soc.,* *2013, 135 (13), 4910–4913* |
| Yong S. Kim, Kellie P. Wo, SurajitMaity, Sushil K. Atreya, and Ralf I. Kaiser |
|  |
| Heteroatom-Transfer Coupled Photoreduction and Carbon Dioxide Fixation on Metal Oxides  | J. Phys. Chem. C, 2012, 116 (17), 9461–9471 |
| Ilya A. Shkrob, Nada M. Dimitrijevic, Timothy W. Marin, Haiying He, andPeterZapol |
|  |

| **Research results on Mars** |
| --- |
|  |
| Opportunity Keeps Knocking | Chem. Eng. News, 2013, 91 (28), p 28 |
| PuneetKollipara |
|  |
| On Mars  | Chem. Eng. News, 2012, 90 (36), p 5 |
| Rudy M. Baum |
|  |
| Settlers Of Mars, Molecules Tied Up In Knots | Chem. Eng. News, 2013, 91 (21), p 56 |
| Jeff Huber |
|  |
| Finds A Hospitable Mars  | *Chem. Eng. News,* *2013, 91 (11), p 7* |
| Elizabeth Wilson |
|  |
| MARS Scientists argue over whether droplets on Phoenix spacecraft’s leg are liquid  | Chem. Eng. News, 2009, 87 (12), p 9 |
| Elizabeth Wilson |
|  |
| A Confounding Crystal Form  | Chem. Eng. News, 2014, 92 (41), 28–29 |
| JyllianKemsley |
|  |
| Slow Roving On Mars | Chem. Eng. News, 2012, 90 (48), p 35 |
| Elizabeth Wilson |
| Zaing Rocks On Mars | Chem. Eng. News, 2014, 92 (13), p 34 |
| Celia Arnaud |