

## Brunauer S Emmett P H Teller E Adsorption Of Gases In

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### Brunauer S Emmett P H

Personal life. Emmett was a close friend and classmate of Linus Pauling with whom he attended high school, college, and graduate school. Emmett was married to Leila Jones on July 14, 1930 until her death in 1968. He had a short second marriage which ended in divorce.

### Paul Hugh Emmett - Wikipedia

Brunauer S, Emmett P H & Teller E. Adsorption of gases in multimolecular layers. Journal of the American Chemical Society 60:309-19, 1938. 211 "Speaking for my colleagues, Dr. Stephen Brunauer and Dr. Edward Teller and myself, I can say that we are all flattered to have our paper and names included in the 'most cited paper' list. Perhaps a little background of the history of the work leading to the BET method for plotting isotherms for multilayer adsorption and measuring surface areas ...

### Brunauer S, Emmett P H & Teller E. Adsorption of gases in ...

Brunauer-Emmett-Teller theory aims to explain the physical adsorption of gas molecules on a solid surface and serves as the basis for an important analysis technique for the measurement of the specific surface area of materials. The observations are very often referred to as physical adsorption or physisorption. In 1938, Stephen Brunauer, Paul Hugh Emmett, and Edward Teller published the first article about the BET theory in the Journal of the American Chemical Society. The BET theory ...

### BET theory - Wikipedia

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### Brunauer S Emmett P H Teller E Adsorption Of Gases In

S. Brunauer, P. H. Emmett and E. Teller, "Adsorption of Gases in Multimolecular Layers," Journal of the American Chemical Society, Vol. 60, No. 2, 1938, pp. 309-319.  
<http://dx.doi.org/10.1021/ja01269a023>.

### S. Brunauer, P. H. Emmett and E. Teller, "Adsorption of ...

310 STEPHEN BRUNAUER, P. H. EMMETT AND EDWARD TELLER Vol. 60 DeB~er~'~ in several papers showed that various experimental adsorption isotherms could be fitted by equation (4a). However, they could not evaluate  $K_1$  because in all cases, except one, the surface, and therefore  $v_m$ , was not known. In

### [CONTRIBUTION FROM THE BUREAU OF Adsorption Gases in ...

Emmett PH, Brunauer S, Love KS. The measurement of surface areas of soils and soil colloids by the

use of low temperature van der waals adsorption isotherms Soil Science. 45: 57-65. 1: 1937:  
Emmett PH, Brunauer S. Accumulation of alkali promoters on surfaces of iron synthetic ammonia  
catalysts Journal of the American Chemical Society. 59: 310-315. 1: 1937

### **Paul Hugh Emmett - Publications**

The Brunauer-Emmett-Teller (BET) multilayer adsorption equation was applied to obtain the specific surface area [58]. PSD were calculated using the density functional theory [59]. ...

### **P. H. Emmett's research works**

By making use of the evaporation-condensation properties of liquid mixtures, the Brunauer-Emmett-Teller theory of multimolecular adsorption is extended to mixtures of gases. No satisfactory experimental data are available at the present time with which to test the theory.

### **Theory of Multimolecular Adsorption from a Mixture of ...**

Brunauer, S., Emmett, P.H., Teller, E., "Adsorption of ... A Brunauer-Emmett-Teller (BET) measurement was conducted on all the tested samples before and after the CO<sub>2</sub>-binding capacity test. This technique uses an inert gas that does not react with the... Stephen Brunauer's research works S. Brunauer, P. H. Emmett, and E. Teller, J. Am. Chem. Soc., 60,

### **Brunauer S Emmett P H Teller E Adsorption Of Gases In**

Brunauer S, Emmett P H, Teller E. J Am Chem Soc, 1938, 60 ... Stephen Brunauer was born István Brunauer on February 12, 1903, to a Jewish family in Budapest, Hungary.

### **Brunauer S Emmett P H Teller E Adsorption Of Gases In**

Brunauer, S., Emmett, P.H., Teller, E., "Adsorption of gases in multimolecular layers," Journal of the American Chemical Society, 60 (2). 309-319. 1938.

### **Brunauer, S., Emmett, P.H., Teller, E., "Adsorption of ...**

Arwyn D. Evans, Matthew S. Cummings, Ryan Luebke, Martyn S. Brown, Silvia Favero, Martin P. Atfield, Flor Siperstein, David Fairen-Jimenez, Klaus Hellgardt, Russell Purves, David Law, Camille Petit. Screening Metal-Organic Frameworks for Dynamic CO<sub>2</sub>/N<sub>2</sub> Separation Using Complementary Adsorption Measurement Techniques.

### **Adsorption of Gases in Multimolecular Layers | Journal of ...**

The gas adsorption technique is based on the Brunauer-Emmett-Teller (BET) model included in the determination of the amount of gas that is adsorbed on the surface of the sample at low temperatures [13]. The specific surface area (m<sup>2</sup>/g) defined by this method comprises the outward as well as the internal (open pores) surface area. However, the surface area of closed pores cannot be determined because of its inaccessibility for adsorbing gas molecules.

### **Brunauer-Emmett-Teller Model - an overview | ScienceDirect ...**

Stephen Brunauer, P. H. Emmett, and ; Edward Teller; Journal of the American Chemical Society 1938, ... Herbert S. Harned; Journal of the American Chemical Society 1938, ...

### **Journal of the American Chemical Society | Vol 60, No 2**

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### **Adsorption of gases in multimolecular layers - NASA/ADS**

An augmented Brunauer-Emmett-Teller (BET) equation was developed for describing water adsorption on soils, overcoming the limitation of the original BET equation for describing only isotherms of materials with a homogeneous adsorption surface.

### **Augmented Brunauer-Emmett-Teller Equation for Water ...**

Stephen Brunauer (February 12, 1903 - July 6, 1986) was an American research chemist, government scientist, and university teacher. He resigned from his position with the U.S. Navy during the McCarthy era, when he found it impossible to refute anonymous charges that he was disloyal to the U.S.

