

# Imre Kovács

## List of Publications by Year in descending order

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18  
papers

373  
citations

933447

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h-index

996975

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of HCOOH on Rh(111) and its reaction with preadsorbed oxygen. Surface Science, 1987, 192, 47-65.	1.9	64
2	Carbon-carbon coupling of methylene groups: thermal and photo-induced dissociation of CH <sub>2</sub> I <sub>2</sub> on Pd(100) surface. Surface Science, 1993, 296, 171-185.	1.9	56
3	Adsorption and decomposition of formic acid on potassium-promoted rhodium(111) surfaces. The Journal of Physical Chemistry, 1988, 92, 796-803.	2.9	51
4	Adsorption and reaction of HCOOH on K-promoted Pd(100) surfaces. Surface Science, 1991, 259, 95-108.	1.9	40
5	Thermal and photoinduced dissociation of ethyl iodide to yield ethyl on a palladium(100) surface. The Journal of Physical Chemistry, 1993, 97, 11056-11063.	2.9	40
6	Thermal and Photoinduced Dissociation of CH <sub>2</sub> I <sub>2</sub> on Cu(100) Surface. Journal of Physical Chemistry B, 1997, 101, 5397-5404.	2.6	28
7	Thermal and photo-induced dissociation of (C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> Zn to yield C <sub>2</sub> H <sub>5</sub> on the Pd(100) surface. Journal of Chemical Physics, 1994, 101, 4236-4247.	3.0	24
8	Adsorption of hydrogen and deuterium on potassium-promoted Pd(100) surfaces. Surface Science, 1992, 260, 139-150.	1.9	19
9	Thermal and photo-induced dissociation of (C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> Zn on Rh(111) surface. Surface Science, 1999, 442, 115-130.	1.9	12
10	Adsorption, polymerization and decomposition of acetaldehyde on clean and carbon-covered Rh(111) surfaces. Surface Science, 2017, 664, 129-136.	1.9	12
11	Thermal and photo-induced oxidation of CH <sub>2</sub> on Cu(100). Journal of Molecular Catalysis A, 1999, 141, 31-38.	4.8	9
12	The Potassium-Induced Decomposition Pathway of HCOOH on Rh(111). Catalysts, 2020, 10, 675.	3.5	9
13	The effect of iodine on the reactivity of H <sub>2</sub> CO formed in CH <sub>2</sub> oxidation on Pd(100). Surface Science, 2004, 566-568, 1001-1006.	1.9	3
14	The adsorption properties of PdZn <sub>x</sub> alloy on Pd(100): Preparation and characterization. Vacuum, 2007, 82, 182-185.	3.5	3
15	On the role of adsorbed formate in the oxidation of C 1 species on clean and modified Pd(100) surfaces. Vacuum, 2017, 138, 152-156.	3.5	3
16	Recent Developments in Rh Heterogeneous Catalysts. Catalysts, 2021, 11, 416.	3.5	0
17	The Role of Electronegative and Electropositive Modifiers in the Adsorption and Decomposition of Acetaldehyde on Rh(111) Surface. , 2021, 6, .		0
18	A round dance of acetaldehyde molecular ensembles on Rh(111) surface; formation and decomposition of various paraldehyde conformers. Journal of Molecular Structure, 2022, , 133311.	3.6	0