titanium oxide

Other names: Titanium monoxide
Inchi: InChI=1S/O.Ti
InchiKey: OGIDPMRJRNCKJF-UHFFFAOYSA-N
Formula: OTi
SMILES: O=[Ti]
Mol. weight [g/mol]: 63.87
CAS: 12137-20-1

Physical Properties

Property code	Value	Unit	Source
ea	1.30 ± 0.03	eV	NIST Webbook
ea	1.20 ± 0.01	eV	NIST Webbook
ie	6.70 ± 0.10	eV	NIST Webbook
ie	6.50 ± 0.50	eV	NIST Webbook
ie	6.56 ± 0.03	eV	NIST Webbook
ie	6.80 ± 0.50	eV	NIST Webbook
ie	6.50 ± 0.30	eV	NIST Webbook
ie	6.70	eV	NIST Webbook
ie	6.80 ± 0.50	eV	NIST Webbook
ie	6.70 ± 0.50	eV	NIST Webbook
ie	6.40 ± 0.10	eV	NIST Webbook
ie	7.22 ± 0.35	eV	NIST Webbook
ie	7.30 ± 0.50	eV	NIST Webbook
ie	6.80 ± 0.50	eV	NIST Webbook
ie	5.50 ± 0.50	eV	NIST Webbook
ie	6.82 ± 0.02	eV	NIST Webbook
ie	6.82 ± 0.01	eV	NIST Webbook
ie	6.82 ± 0.01	eV	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C12137201&Units=SI

Legend

ea:	Electron affinity
ie:	Ionization energy

Latest version available from:

https://www.chemeo.com/cid/44-045-3/titanium-oxide.pdf

Generated by Cheméo on 2024-05-01 19:07:14.40966181 +0000 UTC m=+16879683.330239126.

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.