

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	1.20 ± 0.01	eV	NIST Webbook
ea	1.30 ± 0.03	eV	NIST Webbook
ie	6.70	eV	NIST Webbook
ie	6.82 ± 0.01	eV	NIST Webbook
ie	6.70 ± 0.50	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	6.82 ± 0.01	eV	NIST Webbook
ie	6.80 ± 0.50	eV	NIST Webbook
ie	6.70 ± 0.10	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

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.cheméo.com/cid/44-045-3/titanium-oxide.pdf>

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