

▶ 表 2. 論文中の術語の書き方例 ◀

- 1) 表題に用いる術語は不明りような省略語は用いない
 たとえば“……脱酸, 脱硫作用……”とし, “……脱O, 脱S……”は不可
 (表題例) 1. 不適當……転炉における脱Pについて
 適 當…スラグ塩基度と酸素吹錬条件による転炉の脱リン速度の変化について
 2. 不適當…ステンレス鋼の機械的性質
 適 當…18-8 ステンレス鋼の機械的性質におよぼす Nb, Ti および Mo の影響
- 2) 本文で最初に述べる術語は内容の十分理解できる親切な表現を用いること
 たとえば“……生じた hercynite¹ (FeO · Al₂O₃) は……”
 “平衡定数K, GIBBS の自由エネルギーGは……”
 “マグネタイト (Fe₃O₄) を N₂ を含む CO で還元した結果, Fe₃O₄ は……”
- 3) 本文で繰り返し用いる場合は化学記号, その他のすでに認められた省略記述でよい
 たとえば溶鋼中成分はG, Mn で, スラグ中の成分は (Mn) などで表わす.
 (学振製鋼 19 委員会: 化学熱力学における慣用記号および呼称) (1960) [丸善]
 また, たとえば文中に「オーステナイト」の語が多数出てくるときは, その最初のところで「オーステナイト (γ)」として以下「γ」を用いてよい.
- 4) 日本語として慣用されている語 (たとえば, キルド鋼, インゴット, クリープ, スラグなど) はカナ書きとしてよい. ただし, 十分慣用されていない語は原語を書き添える.
 (たとえば, フォーミング (foaming), パージング (purging), フラッターリング (fluttering), スカルピング (scalping))
- 5) 省略的記述の例
 18 Ni-22Fe 合金 } 18-8 ステンレス鋼の場合は慣用によって Cr, Ni 省略
 Ni-Cr-Mo 鋼 }
 Ferro-Si-Zr } フェロアロイの場合を表わす
 5% nital, picral など } 化学記号表示の必要はない
 JIS-SUS 31 } AISI, DIN, En その他同様
 HB 100, HRC 50 } ブリネル, ロックウェルC硬さ
 N_{acid sol} } 酸可溶窒素

▶ 表 3. 文 献 略 記 例 ◀

雑 誌 名	略 記	雑 誌 名	略 記
Acta Crystallographica	Acta Cryst	Review of Metal Literature	Review
Acta Metallurgica	Acta Met	American Society for Testing	ASTM
Advancement of Science	Advancement Sci	Materials	
Advances in Physics	Advan. Phys.	Bulletin	Bulletin
AICHEJ(American Institute of	AICHEJ	Preprint	Preprint
Chemical Engineering Journal)		Special Technical Publication	Special Publz
Aluminium	Aluminium	Analyst	Analyst
American Ceramic Society Bulletin	Amer. Ceram. Soc. Bull	Analytica Chimica Acta	Anal. Acta
American Foundrymen's Society,	Amer. Found. Soc. Preprint	Analytical Chemistry	Anal. Chem.
Preprint		Annalen der Physik	Ann. Physik
American Institute of Mining,	AIME	Annales des Mines	Ann. Mines
Metallurgical and Petroleum		Anti Corrosion-Method and Ma-	Anti Corros.
Engineers		terials	
Blast Furnace, Coke Oven &	Blast Furn. Coke Oven & Raw	Applied Scientific Research	Appl. Sci. Res.
Raw Materials Committee.	Mat. Comm. Proc.	Archiv für das Eisenhüttenwesen	Arch. Eisenhüttenw.
Proceedings		Atomics	Atomics
Electric Furnace Steel Con-	Elect. Fur. Steel Conf. Proc.	Australian Journal of pplied	Aus. J. Appl. Sci.
ference, Proceedings		Science	
Proceedings National Open-	Proc. Nat. O-H Comm	Australian Journal of Chemistry	Auq. J. Chem.
Hearth Committee		Australian Journal of Physics	Aus. J. Phys.
Proceedings Symposia Series	Proc. Symposia Series	Automatic Welding. USSR	Auto. Weld. USSR.
American Iron and Steel Institute	Amer. Iron Steel Inst.	Battelle Technical Review	Battelle Tech. Rev.
Annual Statistical Report	Ann. Stat. Rep.	Blast Furnace and Steel Plant	Blast Furn. Steel Pl.
Contributions to the Metallurgy	Contrib. Met. Steel	British Corrosion Journal	Brit. Corros. J.
of Steel		British Chemical Engineering	Brit. Chem. Eng.
Steel Products Manual	Steel Prod. Man.	British Iron and Steel Research	Brit. Iron Steel Res. Assoc.
American Journal of Physics	Amer. J. Phys.	Association. Reports	Rep.
American Journal of Science	Amer. J. Sci.	British Journal of Applied physics	Brit. J. Appl. Phys.
American Mineralogist	Amer. Mineralogist	British Journal of Nondestructive	Brit. J. Nondestruct. Test.
American Society for Metals	ASM		
Preprint	Preprint		

雜誌名	略記	雜誌名	略記
Testing		Journal of the Electrochemical Society	J. Electrochem. Soc.
British Standard Institution	Brit. Stand. Inst.	Journal of Electron Microscopy	J. Electron Microsc.
British Standards Handbook	B. S. Handb.	Journal of Franklin Institute	J. Franklin Inst.
Specifications for Aircraft Materials	Specif. Aircraft Mat.	Journal of the Institute of Fuel	J. Inst. Fuel
British Welding Journal	Brit. Weld. J.	Journal of the Institute of Metals	J. Inst. Metals
Bulletin American Physical Society	Bull. Amer. Phys. Soc.	Journal of the Institution of Electrical Engineers	J. Inst. Elect. Eng.
Bulletin Canadian Institute of Mining and Metallurgy	Bull. Can. Inst. Min. Met.	Journal of the Institution of Production Engineers	J. Inst. Prod. Eng.
Canadian Journal of Chemistry	Can. J. Chem.	Journal of the Iron and Steel Institute	JISI
Canadian Journal of Physics	Can. J. Phys.	Journal of the Less-Common Metals	J. Less-Common Metals
Canadian Journal of Technology	Can. J. Technol.	Journal of Materials	J. Mat.
Chemical Engineering	Chem. Eng.	Journal Materials Science	J. Mat. Sci.
Chemical Engineering Science	Chem. Eng. Sci.	Journal of Mechanical Laboratory	J. Mech. Lab.
Canadian Mining and Metallurgical Buletin	Can. Min. Met. Bull.	Journal of the Mechanics and Physics of Solids	J. Mech. Phys. Solids
Comptes Rendus Hebdomadaires des Scances de l'Academie des Sciences	Compt. Rend.	Journal of Metals	J. Metals
Corrosion	Corrosion	Journal of Nuclear Materials	J. Nucl. Mat.
Corrosion et Anti-Corrosion	Corros. Anti-Corros.	Journal of the Physical Society of Japan	J. Phys. Soc. Japan
Corrosion Prevention and Control	Corros. Preven. Control	Journal of Physics	J. Phys.
Corrosion Science	Corros. Sci.	Journal of the Physics and Chemistry of Solids	J. Phys. Chem. Solids
Corrosion Technology	Corros. Technol.	Journal de Physique et le Radium	J. Phys. Radium
Discussions of the Faraday Society	Disc. Farad. Soc.	Journal of Research of the National Bureau of Standards	J. Res. Nat. Bur. Stand
Doklady Akademi Nauk S. S. R.	Dokl. Akad. Nauk SSSR	Journal of Scientific Instruments	J. Sci. Instrum.
Electrical Journal	Elect. J.	Light Metals	Light Metals
Electrical Review	Elect. Rev.	Light Metals Age	Light Metals Age
Electrochemica Acta	Electrochemica Acta	33 Magazine	33 Mag.
Electronic Engineering	Electronic Eng.	Materialprüfung	Materialprüfung
Electroplating and Metal Finishing	Electroplating Metal Finishing	Materials and Methods	Mat. Method.
Engineering	Engineering	Materials Engineering	Mat. Eng.
Engineering Fracture Mechanics	Engineering Fracture Mechanics	Materials Evaluation	Mat. Eval.
Fizika Metallov i Metallouedenie	Fizika Metal.	Materials Protection and Performance	Mat. Protect. Perform.
Foundry	Foundry	Materials Research & Standards	Mat. Res. Stand.
Foundry Trade Journal	Fndry. Trade J.	Mechanical Transactions	Mech. Trans.
Fortschritte der Physik	Fortschritte Physik	Memoires Scientifique de la Revue de Metallurgie	Mem. Sci. Rev. Met.
Galvanotechnik	Galvanotechnik	Metal Age	Metal Age
Giesserei	Giesserei	Metal Bulletin	Metal Bull.
Giessereitechnik	Giessereitechnik	Metal Construction and British Welding Journal	Metal Const. and Brit. Weld. J.
Handbuch der Physik	Handb. Physik	Metal Finishing	Metal Finishing
Industrial Chemist	Indust. Chem.	Metal Finishing Journal	Metal Finishing J.
Industrial Heating	Indust. Heat.	Metal Forming	Metal Form.
Industrial and Engineering Chemistry	Indust. Eng. Chem.	Metal Industry	Metal Ind.
Industry Week	Indust. Week	Metal & Materials and Metallurgical Reviews	Metal Mat. Met. Rev.
International Journal	International J.	Metal Progress	Metal Prog.
Iron Age	Iron Age	Metal Science Journal	Metal Sci. J.
Iron and Steel	Iron Steel	Metal Treating	Metal Treatg.
Iron and Steel Engineer	Iron Steel Eng.	Metal Treatment and Drop Forging	Metal Treat. Drop Forg.
Iron and Steel Institute, Special Reports	Iron Sttl Inst. Spec. Rep.	Metall	Metall
Iron and Steel international	Iron and Steel Intern.	Metalloberfläche	Metalloberfläche
Izvestiya Vysshikh Uchebnykh Zavedenii Chernaya Metallurgiya	Izv. VUZov, Cher. Met.	Metallurg	Metallurg
Izvestiya Akademii Nauk SSSR, Metally	Izv. Akad. Nauk SSSR, Metally	Metallurgia	Metallurgia
Jernkontorets Annaler	Jernkont. Ann.	Metallurgia Italiana	Metallurgia Ital.
Journal of the American Ceramic Society	J. Amer. Ceram. Soc.	Metallurgia and Metal Forming	Met. and Metal Form.
Journal of the American Chemical Society	J. Amer. Chem. Soc.	Metallurgical Reports C.N.R.M.	Met. Rep. CNRM
Journal of the American Society of Naval Engineers	J. Amer. Soc. Nav. Eng.	Metallurgical Review	Metallurgical Rev.
Journal of the American Water Works Association	J. Amer. Waters Assoc.	Metallurgical Transactions	Met. Trans.
Journal of Applied Chemistry	J. Appl. Chem.	Metals Review	Metals Rev.
Journal of Applied Mechanics	J. Appl. Mech.	Mitteilungen aus dem Max-Planck Institut für Eisenforschung	Mitt. Max-Planck Inst. Eisenforsch.
Journal of Applied Physics	J. Appl. Phys.	Modern Casting	Modern Cast.
Journal of the Australian Institute of Metals	J. Aus. Inst. Metals	Modern Metals	Modern Metals
Journal of Chemical Physics	J. Chem. Phys.	Nature	Nature
Journal of the Chemical Society	J. Chem. Soc.	Naturwissenschaften	Naturwissenschaften
Journal de Chimie Physique	J. Chim. Phys.	Neue Hütte	Neue Hütte
Journal of Composite Materials	J. Compos. Mat.	Non-Destructive Testing	Non-Destruct. Test.
		Oil and Gas Journal	Oil Gas J.

雜誌名	略記	雜誌名	略記
Oxidation of Metals	Oxid. Metals	Society of Mechanical Engineers	
Philosophical Magazine	Phil. Mag.	Transactions of the American Society for Metals	Trans. ASM
Philosophical Transaction of the Royal Society	Phil. Trans. Roy. Soc.	Transactions of the Australian Institute of Metals	Trans. Aus. Inst. Metals
Physica	Physica	Transactions of the British Ceramic Society	Trans. Brit. Ceram. Soc.
Physical Review	Phys. Rev.	Transactions of the Canadian Institute of Mining and Metallurgy	Trans. Can. Inst. Min. Met.
Physica Status Solidi	Phys. Stat. Solid.	Transactions of the Electrochemical Society	Trans. Electrochem. Soc.
Physics of Metals and Metallurgy	Phys. Metals Metallog.	Transactions of the Faraday Society	Trans. Faraday Soc.
Plating	Plating	Transactions of the Institute of Metal Finishing	Trans. Inst. Metal Finishing
Powder Metallurgy	Powder Met.	Transactions of the Institution of Chemical Engineers	Trans. Inst. Chem. Eng.
Proceedings of the American Society for testing and Materials	Proc. ASTM	Transactions of Institution of Mining and Metallurgy	Trans. Inst. Min. Met.
Proceedings. Australasian Institute of Mining and Metallurgy	Proc. Aus. Inst. Min. Met.	Transactions of the Iron and Steel Institute of Japan	Trans. ISIJ
Proceedings of the Institution of Electrical Engineers	Proc. Inst. Elect. Eng.	Transactions of the Japan Institute of Metals	Trans. JIM
Proceedings. Institution of Mechanical Engineers	Proc. Inst. Mech Eng.	Transactions of the Metallurgical Society of AIME	Trans. Met. Soc. AIME
Proceedings of the Japan Academy	Proc. Japan Acad.	Transactions of the Royal Society of Canada	Trans. Roy. Soc. Can.
Proceedings, Metal Powder Association	Proc. Metal Powder Assoc.	United States Bureau of Mines Bulletin	U. S. Bur. Mines Bull.
Proceedings of the Physical Society	Proc. Phys. Soc.	Information Circular	Inf. Circ.
Proceedings of the Royal Canadian Institute	Proc. Roy. Can. Inst.	Mineral Industry Survey	Min. Indust.
Proceedings of the Royal Institution of Great Britain	Proc. Roy. Inst.	Minerals Yearbook	Min. Yearbook
Proceedings of the Royal Society	Proc. Roy. Soc.	Reports of Investigations	Rep. Invest.
Proceedings of the Society of Experimental Stress Analysis	Proc. Soc. Exper. Stress anal	Verein Deutscher Ingenieure Zeitschrift	VDI-Zschft
Product Finishing	Product Finishing	Wear	Wear
Review of Scientific Instruments	Rev. Sci. Inst.	Welding Journal	Welding J.
Reviews of Modern Physics	Rev. Mod. Phys	Welding and Metal Fabrication	Weld. Metal Fab.
Revue de l'Aluminium	Rev. Aluminium	Welding Production, USSR	Weld Prod. USSR
Revue de Métallurgie	Rev. Mét.	Werkstoffe und Korrosion	Werkstoffe Korrosion
S. A. E. Journal	S. A. E. J	Wire and Wire Products	Wire and Wire Products
Scandinavian Journal of Metallurgy	Scand. J Met.	Yearbook of the American Iron and Steel Institute	Yearbook Amer. Iron Steel inst
Science Abstracts	Sci. Abs.	Yearly Proceedings of the Association of Iron and Steel Engineers	Yearly Proc. Assoc. Iron Steel Eng.
Scripta Metallurgica	Script. Met.	Zeitschrift für Elektrochemie	Z. Elektrochem.
Sheet Metal Industries	Sheet Metal Ind.	Zeitschrift für Erzbergbau und Metallhüttenwesen	Z. Erz. Met.
Solid State Physics	Solid St. Phys.	Zeitschrift für Metallkunde	Z. Metallk.
Surface Science	Surface Science	Zeitschrift für Physik	Z. Phys.
Stahl und Eisen	Stahl u. Eisen	Zeitschrift für Physikalische Chemie	Z. Phys. Chem.
Stal'	Stal'	Zeitschrift für Wissenschaftliche Mikroskopie und für Mikroskopische Technik	Z. Wiss. Mikrosk
Stal in English	Stal in Eng.	Zhurnal Fizicheskoi Khimii	Zhur. Fiz. Khim
Steel	Steel	Zhurnal Tekhnicheskoi Fiziki	Zhur. Tekn. Fiz
Steel in the USSR	Steel in USSR		
Steel Processing	Steel Processing		
Steel Review	Steel Rev		
Steel Times	Steel Times		
Transactions of the American Foundrymen's Society	Trans. Amer. Found. Soc.		
Transactions of the American Institute of Electrical Engineers	Trans. Amer. Inst. Elect. Eng.		
Transactions of the American Institute of Mining, Metallurgical and Petroleum Engineers	Trans. AIME		
Transactions of the American	Trans. ASME		