

Lista de cărți din

Biblioteca Centrului de Cercetare în Domeniul Ingineriei Chimice Asistate de Calculator

Nr.	Titlu, autori	ISBN	Nr. Pag.	Valoare
1	Application of neural networks and other learning technologies in process engineering edited by I M Mujtaba, M A Hussain, World Scientific Publishing Co., 2001	1-86094-263-6	424	113 USD
2	Control of Complex Systems, by K. J. Aström, P. Albertos, M. Blanke, A. Isidori, W. Schaufelberger, R. Sanz, Springer Verlag, 2001.	1-85233-324-3	482	119 EUR
3	Plantwide Process Control, by William Luyben, Mc Graw Hill, 1998.	0070067791	398	79.95 USD
4	Process Control Systems Application, Design, and Tuning, by F. Shinskey, Mc Graw Hill, 1996.	0070571015	439	79 USD
5	Computer aided control system design. Methods, Tools and Related Topics edited by M A Brdys, K Malinowski, World Scientific Publishing Co., 1994	981-02-1391-3	560	112 USD
6	Nonlinear Dynamics and Chaos: With Applications to Physics, Biology, Chemistry and Engineering, by Steven H. Strogatz, Perseus Books, 2001	0738204536	498	47 USD
7	Non-linear Model-based Process Control, by R.M. Ansari, M. O. Tade, Springer Verlag, 2000.	1-85233-213-1	232	76.95 EUR
8	Numerical Methods for Chemical Engineers with MATLAB Applications, by Alkis Constantinides, Navid Mostoufi, Prentice Hall PTR, 1999	0130138517	608	89 USD
9	Process/Industrial Instruments and Controls Handbook, 5th Edition, by Author(s):Gregory McMillan, Douglas Considine, Mc Graw Hill, 2000.	0070125821	1200	125 USD
10	Process Control Designing Processes and Control Systems for Dynamic Performance, by Thomas Marlin, Mc Graw Hill, 2000.	0070393621	567	111.56 USD
11	Plantwide Dynamic Simulators in Chemical Processing and Control by William L. Luyben, Marcel Dekker Publisher, 2002	0824708016	448	175 USD
12	Process Control: A First Course with MATLAB by Pao C. Chau, Cambridge Univ Press, 2002	0521002559	300	38 USD
13	Stable Adaptive Control and Estimation for Nonlinear Systems: Neural and Fuzzy Approximator Techniques, by Jeffrey T. Spooner, Manfredi Maggiore, Raúl Ordóñez, Kevin M. Passino, John Wiley & Sons, 2002.	0-471-41546-4	545	89.95 USD
14	Industrial Control Systems Design, by Michael J. Grimble, John Wiley & Sons, 2001.	0-471-49225-6	642	230 USD
15	Serial Networked Field Instrumentation, by J. R. Jordan, John Wiley & Sons, 1996.	0-471-95326-1	250	195 USD
16	Genetic Algorithms, by K.F. Man, K.S. Tang, S. Kwong, Springer Verlag, 1999.	1-85233-072-4	344	39.95 EUR
17	SimQuick: Process Simulation with Excel by David Hartvigsen, Prentice Hall, 2001	0130651486	96	29 USD
18	Precipitation: Basic Principles and Industrial Applications by Otakar Sohnel, John Garside, Butterworth-Heinemann, 1992.	0750611073	391	190 USD
19	Chemical and Engineering Thermodynamics, by Stanley I. Sandler, John Wiley & Sons, 1998	0471182109	800	107 USD
20	A Guide to LATEX: Document Preparation for Beginners and Advanced Users (3rd Edition) by Helmut Kopka, Patrick W. Daly, Addison-Wesley Pub. Co., 1999	0201398257	600	45 USD
21	Partial differential equations for scientists and engineers by Geoff Stephenson, World Scientific Publishing Co., 1996	1-86094-024-2	176	19 USD
22	IEC 61131-3: Programming Industrial Automation Systems, by K.-H. John, M. Tiegelkamp, Springer Verlag, 2001.	3-540-67752-6	376	79.95 EUR
23	Foundations of Genetic Programming, by W. B. Langdon, R. Poli, Springer Verlag, 2002.	3-540-42451-2	260	39.95 EUR
24	Water Quality Control Handbook, by E. Alley, Mc Graw Hill, 2000.	0070014132	1008	125 USD
25	Health, Safety, & Accident Management in the Chemical Process Industries by Ann Marie Flynn, Louis Theodore, Marcel Dekker Publisher, 2001	0824706757	680	195 USD

Nr.	Titlu, autori	ISBN	Nr. Pag.	Valoare
26	Chemical Engineering Fluid Mechanics by Ron Darby, Marcel Dekker Publisher, 2001	0824704444	559	75 USD
27	Model Based Control: Case Studies in Process Engineering (Hardcover) by Paul Serban Agachi, Zoltan K. Nagy, Mircea Vasile Cristea, Arpad Imre-Lucaci, Wiley-VCH	ISBN-10: 3527315454 ISBN-13: 978- 3527315451	290	125 USD
28	Artificial Intelligence: A Modern Approach (2nd Edition) (Hardcover) by Stuart J. Russell, Peter Norvig, Prentice Hall; 2002.	ISBN-10: 0137903952 ISBN-13: 978- 0137903955	1132	82.08 USD
29	Neural Networks for Modelling and Control of Dynamic Systems: A Practitioner's Handbook (Advanced Textbooks in Control and Signal Processing) (Paperback) by Magnus Nrgaard, Peter M. Norgaard, M. Norgaard, Springer; 2006.	ISBN-10: 1852332271 ISBN-13: 978- 1852332273	264	83.16 USD
30	LabVIEW Graphical Programming, 4th Edition, by Gary W. Johnson, Richard Jennings, McGraw-Hill, 2007.	ISBN:-10: 0071451463 ISBN-13 9780071451468	752	69.95 USD
31	Integrated Chemical Processes: Synthesis, Operation, Analysis, and Control, Kai Sundmacher, Achim Kienle, Andreas Seidel-Morgenstern, Wiley 2005	ISBN: 978-3-527- 30831-6	556	210.00 EUR
32	Water Quality Hazards and Dispersion of Pollutants, Wlodzimierz Czernuszenko, Pawel Rowinski, Springer; 1 edition (April 7, 2005)	ISBN-10: 0387233210 ISBN-13: 978- 0387233215	250	139.00 USD
33	Intelligent Bioinformatics: The Application of Artificial Intelligence Techniques to Bioinformatics Problems (Hardcover) by Edward Keedwell, Ajit Narayanan John Wiley & Sons, 2005.	ISBN-10: 0470021756 ISBN-13: 978- 0470021750	294	100.10 USD
34	Conservation Equations and Modeling of Chemical and Biochemical Processes (Chemical Industries) (Hardcover) by Said S.E.H. Elnashaie (Editor), Parag Garhyan (Editor), CRC, 2003	ISBN-10: 0824709578 ISBN-13: 978- 0824709570	636	179.95 USD
35	Troubleshooting Process Operations (Paperback) by Norman P. Lieberman, Pennwell Books; 3rd edition, 1991	ISBN-10: 0878143483 ISBN-13: 978- 0878143481	550	69.30 USD
36	Control of Nonlinear Differential Algebraic Equation Systems with Applications to Chemical Processes (Research Notes in Mathematics Series) (Paperback) by Aditya Kumar, Prodromos Daoutidis, Chapman & Hall/CRC, 1999	ISBN-10: 0849306094 ISBN-13: 978- 0849306099	176	109.95 USD
37	River Water Quality Model Number 1: (Scientific and Technical Reports), Reichert, P. Reichert, D. Borchardt, Iwa Publishing (September 30, 2001)	ISBN-10: 1900222825 ISBN-13: 978- 1900222822	144	128.00 USD
38	A Real-Time Approach to Process Control (Paperback) by William Y. Svrcek, Donald P. Mahoney, Brent R. Young, John Wiley & Sons; 2 edition (September 25, 2006)	ISBN-10: 0470025344 ISBN-13: 978- 0470025345	344	70.00 USD
39	Data Reconciliation and Gross Error Detection: An Intelligent Use of Process Data (Hardcover) by Shankar Narasimhan, S. Narasimhan, C. Jordache, Gulf Professional Publishing 2006	ISBN-10: 0884152553 ISBN-13: 978- 0884152552	428	130.00 USD
40	Chemical Engineering Volume 3, Third Edition: Chemical and Biochemical Reactors & Process Control by J F Richardson (Editor), D G Peacock (Editor), Butterworth-Heinemann Elsevier, 1994	ISISBN-10: 0080410030 ISISBN-13: 978- 0080410036	758	64.95 U SD
41	The Integration of Process Design and Control, Volume 17 (Computer Aided Chemical Engineering) (Hardcover) by Panos Seferlis (Editor), Michael C. Georgiadis (Editor), Elsevier Science, 2004	ISBN-10: 0444515577 ISBN-13: 978- 0444515575	654	267.00 USD

Lista carti din

Biblioteca Centrului de Cercetare în Electrochimie și Materiale Neconventionale

1. Turdean G. L., Sarmiza S.E., Popescu I. C., *Biosenzori amperometrici. Teorie și aplicații*, Presa Universitară Clujeană, Cluj-Napoca, **2005**.
2. Popescu I. C., *Senzori electrochimici*, Litografia UBB, **1996**.
3. Fraden Jacob (ed), *Handbook of modern sensors. Physics, designs, and applications*, Springer, **2004**
4. Kékedy L., *Senzori electrochimici metalici și ioni*, Ed. Academiei, București, **1987**.
5. Edmonds T. E., *Chemical Sensors*, Blakie and Son, Glasgow, **1988**.
6. Janata J., *Principles of Chemical Sensors*, Plenum Press, N.Y., **1989**.
7. Cass A.E.G., *Biosensors. A practical approach*, IRL Press, **1990**.
8. Hall A. H., *Biosensors*, Open Univ. Press, Buckingham, **1990**.
9. Blum L., Coulet P., *Biosensors. Principles and applications*, Marcel Dekker, New York, **1991**.
10. Bard A. J., *Integrated chemical systems. A Chemical approach to nanotechnology*, Wiley VCH, **1994**.
11. Fraser D. M., *Biosensors in the body. Continuous in vivo monitoring*, Wiley VCH, **1997**.
12. Gardner J. W., Bartlett P. N., *Electronic noses. Principles and applications*, Oxford University Press, **1999**.
13. Yui N., *Supramolecular design for biological applications*, CRC Press, **2002**.

14. Schwarts M., *Encyclopedia of „smart” materials*, John Wiley and Sons, Inc, **2002**, vol 1-3.
15. L.G. Bujoreanu, *Materiale inteligente*, Ed. Junimea, Iași, 2002
16. Ramsay G., *Commercial biosensors*, John Wiley and Sons Inc., **1998**.
17. Muresan I., *Chimia macromoleculilor*, Ed. Didactica si pedagogica, București, **1967**.
18. Simionescu C., Vasiliu Oprea C., Bulacovschi V., Simionescu B., Negulianu C., *Chimie macromoleculară*, Ed. Didactica si pedagogica, București, **1985**, 458 p.
19. Allcock H.R., Lampe K.W., *Contemporary Polymer Chemistry*, Prentice Hall, New Jersey, **1990**.
20. Vasiliu Oprea C., Bulacovski V., Constantinescu Al., *Polimeri. Structura si proprietati*, vol. 2, Ed. Tehnica, Bucuresti, **1986**.
21. Volintiru T., Ivan G., *Introducerea in fizico- chimia polimerilor*, Ed. Tehnica, Bucuresti, **1980**
22. Chiellini E., Gil H., Braunegg G., Buchert J., Gatenholm P., van der Zee M., *Biorelated polymers. Sustainable Polymer Science and Technology*, Kluwer Academic, New York, **2001**, 391 p.
23. Lyons M. E. G., *Electroactive Polymer electrochemistry*, Plenum Press, New York, **1994**.
24. Skotheim T. A., *Handbook of conducting polymers*, vol. 1-2, Marcel Dekker, New York, **1986**.
25. Mândru I., Leca M., *Chimie macromoleculară și coloidală*, Ed. Didactica si pedagogica, București, **1977**, 361 p.
26. Popescu V., Horovitz O., Rusu T., *Materiale polimerice si mediul*, Ed. Mediamira, Cluj-Napoca, **2005**, 429 p.
27. N. M. Emanuel, Anatoly L. Buchachenko, A. L. Buchachenko, *Chemical Physics of Polymer Degradation And Stabilization (New Concepts in Polymer Science)*, VSP Books , **1987**, 336 p.

28. Zilberman E. N., Navolokina R.A., *Chimia compusilor macromoleculari. Exercitii si probleme*, Ed. Tehnica, Bucuresti, **1987**, 255 p.
29. Horovitz O., Popescu V., Moldovan M., Prejmerean C., *Macromolecule si compozite. Aplicatii experimentale*, Ed. Mediamira, Cluj-Napoca, **2005**, 207 p.
30. Andrei Z., *Chimie fizica. Termodinamica chimica*, lito UBB, 1989.
31. Cadariu I., *Chimie Fizica: Starile de Agregare și Termodinamica Chimica*, Ed. Didactica și Pedagogica, Bucuresti, 1971.
32. Sternberg S., Landauer O., Mateescu C., Geana D., Visan T., *Chimie-Fizica*, Ed. Didactica si Pedagogica, Bucuresti, 1981.
33. Murgulescu I.G., Vâlcu R., *Introducere in chimia fizica. Termodinamica chimica*, vol III, Ed. Academiei, 1982.
34. Vâlcu R., *Termodinamică chimică*, Ed.Tehnică, Bucuresti, 1994.
35. Sandulescu D., *Chimie Fizica*, Vol. 1, Ed stiintifica si enciclopedica, Bucuresti, 1979.
36. Atkins P. W., *Tratat de chimie fizica*, Ed.Tehnica, Bucuresti, 1996.
37. Atkins P.W., Trapp C.A., *Exerciții și probleme rezolvate de chimie fizică*, Ed. Tehnică, București, 1997.
38. Atkins P., de Paula J., Keeler J., *Atkins' Physical Chemistry*, 11th edition, Oxford University Press, 2018.
39. Niac G., Voiculescu V., Bâldea I., Preda M., *Formule, tabele, probleme de Chimie fizică*, Ed. Dacia, Cluj-Napoca, 1984.