

# CURRICULUM VITAE

## HANS JÜRGEN HERRMANN

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## PERSONAL

Date of birth 01.01.1954  
Place of birth La Habana, Cuba  
Citizenship German  
Private address Lerchenberg 1, 8046 Zürich

## RESIDENCES

until June 1960 La Habana, Cuba  
until Feb. 1962 Frankfurt, Germany  
until June 1972 Bogotá, Colombia  
until Sept. 1975 Göttingen, Germany  
until Nov. 1981 Cologne, Germany  
until Sept. 1982 Athens, GA, USA  
until Sept. 1995 Paris, France  
until March 2006 Stuttgart, Germany  
since Apr. 2006 Zürich, Switzerland

## EDUCATION

1971 Bachillerato colombiano  
1972 German Abitur  
1975 Vordiplom in physics (Göttingen)  
1978 Diploma in physics (Cologne)  
1981 Promotion, Dr.rer.nat., physics (Cologne)  
1993 Habilitation (Paris)

## CAREER

1978-1979 Scientific Assistant (Cologne)  
1979-1981 Research Assistant (Cologne)  
1981-1982 Postdoctoral Fellow (Athens, GA)  
1982-1984 Collaborateur Temporaire Étranger (Saclay)  
1984-1990 Chargé de recherche at C.N.R.S. (Saclay)  
1990 Directeur de recherche DR2 au C.N.R.S.  
1990-1994 Director of Many Particle Group (HLRZ, Jülich)  
1994 Director of Laboratoire P.M.M.H. (Paris)  
1994-2000 Chaire de la Matière Divisée at E.S.P.C.I.  
1995-2006 Full Professor at the University of Stuttgart  
since 2001 Directeur de Recherche de 1ere classe (DR1) in C.N.R.S. (France)  
2005-2008 Visiting Professor, Dept. de Fisica, Universidade Federal do Ceará Fortaleza,  
since 2006 Full Professor of Computational Physics for Engineering Materials, ETH Zurich

## PUBLICATIONS

More than 700 papers in refereed journals, 13 edited books  
Web of Science: Over 15'000 citations, h-index: 63  
Google Scholar: Over 32'000 citations, h-index: 90

## AWARDS

1986	Guggenheim Fellow
1993	Member of the Science Review Committee von Döwll Schlumberger
1994/5	W.F. James Chair, Canada
1997	Corresponding Member of the Brazilian Academy of Science
2002	Max-Planck Prize
2004	Gentner-Kastler Prize 2005
2007	Fellow of APS
2009	IBM Faculty Award
2012	ERC Advanced Grant
2012 -	Miembro Correspondiente, Academia Colombiana de Ciencias Exactas, Físicas y Naturales, ACCEFYN, Colombia
2018	Aneesur Rahman Prize for Computational Physics

## EVALUATIONS

1993	Member of the Science Review Committee of Döwll Schlumberger
12/2003	Academia Sinica, Taiwan
1/2004	Member of the Visiting Committee-IOP
9/2004	MMT Consulting Ltd., Bedford, UK Evaluation Unilever
2005	USP, Universidade de Sao Paulo Member of the Evaluation-Commission Conselho Nacional de Desenvolvimento Científico e Tecnológico CNPq, Brazil, Member of the Millennium Commission of CNPq
since 2007	Member of the Forschungskommission ETH Zurich
since 2010	Member of the Steering Committee: Material Research Center, ETH Zurich
2010	Vice President of the Programme "Investissements d'avenir" Appel à projets "Equipements d'excellence" (EQUIPEX)
since 2011	Member of the Steering Committee: Risk Center, ETH Zurich
2012	Member of the Steering Committee of STATPHYS25 (Seoul)
2012	Member of the Scientific Committee of PARTICLES (Germany)
2012	Member of the Program Committee of SCET (Wuhan, China)
2012	Outstanding Referee, American Physical Society, (ACS)

## MEMBERSHIPS

1983-1988	Member of the Faculty of Boston University
1990 -	Managing Editor of Int. J. of Mod. Phys. C
1997 -	Managing Editor of the Journal 'Granular Matter'
1987-1990	Member of the Editorial Board of J. Phys. A
1991 -	Member of the Editorial Board of Physica A
1992 -	Member of the Editorial Board of Fractals
1992-1997	Member of the Editorial Board of Nonlinear Processes in Geophysics
1996 -	Member of the Editorial Board of Revista Colombiana de Física
1999 -	Member of the Editorial Board of The European Physical Journal E
2003 -	Member of the Editorial Board of the Journal of Statistical Mechanics: Theory and Experiment (JSTAT)
2009 - 2015	Member of C3 Commission of IUPAP
2013 -	Member of the Editorial Board of Computational Particle Mechanics

## PHD STUDENTS

1990	N. Boissin
1991	A. Romero Castro

1992	J. Hemmingsson
1993	P. Ossadnik
1994	H. Puhl, W. Form, S. Melin, H.J. Tillemans
1996	T. Raafat, F. Kun
1997	W. Kalthoff, D. Konstantinidis, S. Weinketz
1999	G. Oron, V. Komiwes
2000	E. Hascoët, M. Müller, J.D. Muñoz, F. Lacombe
2001	G. Sauermann
2002	L. Trujillo, M. Strauss, R. Mahmoodi
2003	M. Lätzel, R. Cruz Hidalgo
2004	F. Alonso-Marroquín, F.R. Fonseca, V. Schwämmle
2006	M.C. Gonzalez, A. Mora, M. Wackenhut, M. Hecht
2007	F. Raischel, O. Durán, E. Parteli
2008	A.A. Peña Olarte, F. Osanloo
2009	C.H.A. Ferraz, H.J. Seybold
2010	M.C. Luna
2011	L. Poulikakos, N. Stoop, C. Schneider, E. Fehr, T. Kesselring
2012	M. Fuhr, C. Stürk, Th. Pätz, Th. Burgener, M. Mendoza
2014	J. Schrenk, M.V. Carneiro, R. Mani, V. H. Louzada
2015	A. Leonardi, F. Lombardi, F. Mohseni, R. Vetter, N. Posé, M. Hassani
2016	T. Verma, D. Stäger, J-D. Debus, G- Munglani, K. Melinkov
2017	I. Giordanelli, F. Bianchi, O. Furtmaier, S. Solorzano Rocha, R. Yoshimatsu
2018	R. Jäger, L. Böttcher, L. Michiels van Kessenich

#### **FORMER STUDENTS AND POST-DOCS THAT ARE NOW PROFESSORS**

F. Alonso-Marroquín (Sydney), J.S. Andrade Jr. (Fortaleza), N. Araujo (Lissabon), da Silva (Natal), L. de Arcangelis (Naples), F. Fonseca (Bogotá), M. Gonzalez (MIT), J. Harting (Eindhoven), G. Hernandez (Viña del Mar), T. Ihle (Greifswald), N. Ito (Tokyo), W. Janke (Leipzig), K. Kroy (Leipzig), F. Kun (Debrecen), S. Luding (Delft), S.S. Manna (Calcutta), A. Mariz (Natal), H.G. Mattutis (Tokyo), S. Mc Namara (Rennes), E. Miranda (Mendoza), A. Mora (Bogotá), J.D. Muñoz (Bogotá), M. Nicodemi (Naples), T. Pätz (Zhejiang), T. Pöschel (Erlangen), S. Santra (Guwahati), A. Souza (Aracajú), U. Costa (Maceio), S. Zapperi (Milan)

#### **INVITATION TO CONFERENCES AND SEMINARS**

1982	Santa Barbara, Los Alamos, Athens (GA), Boston, Emory, Erlangen, Köln
1983	Exxon (Princeton), Boston, Julich, Athens, ENS-Paris
1984	KAG (Athens), Konstanz, Bayreuth, Ec. Polytech. Paris, Rio de Janeiro, Collège de France, Boston
1985	Les Houches, Köln, Schlumberger (St. Etienne), Boston, APS, Jülich, Mexico, Rio de Janeiro, Athens, Emory, Cadarache
1986	Tel-Aviv, IBM (Oberlech), Statphys16 (Boston), Rennes, Rio de Janeiro, Athens (GA), Minneapolis
1987	Bar-Ilan, INRIA (Paris), São Paulo, SFP (Strassbourg), Maceio (Bresil), Buenos Aires, La Plata, Belo Horizonte, Bergen, Porto Alegre, Braunschweig, São Carlos, Boston, Bariloche, Recife
1988	Bad Honnef, Les Houches, EPS (Budapest), Cambridge, King's College, Utrecht, Erice, ETOPIIM (Paris), Cargèse, Budapest, ONERA (Paris)
1989	Monterey (CA), Athens (GA), Ouro Preto, CECAM (Paris), Statphys17 (Rio), Aussois, Naples, Köln, Grenoble, Emory, Imperial Coll., Michigan, Boston, Jülich, INSTN (Paris), Orsay, Recife, Mainz
1990	Bar-Ilan, Evian les Bains, Oxford, ENS (Paris), Fontainebleau, Mainz, Balatonfèred, Würzburg, Yale Univ., Cornell, M.I.T., Ramat Rachel, Haifa, Cargèse, Oslo, Sanderfjord, Köln, CERN
1991	Orléans, Espoo (Finnland), Tampere, Marseille, Leipzig, Birmingham, Dijon, Berlin, Lublin, Köln, Trieste APS (Atlanta), Aachen, Granada, Grenoble, Weilburg, Noordwijk (Netherland)
1992	Duisburg, Hamburg, Prag, Salvador (Brazil), Würzburg, Haifa, Freiburg, Schloss Ringberg, Rio, Boston, USC (Los Angeles), Santa Barbara, Berlin

1993	Peking, Tokyo, Osaka, Seoul, Rennes, Oslo, E.N.S., Les Houches, Buenos Aires, Sendai, Calcutta
1994	San Miniato, Cargèse, Corvilha (Portugal), Bangalore, Torino, Göttingen
1995	Taipei, München, Gramado (Brazil), Tel Aviv, Haifa, Magdeburg, Minneapolis, Würzburg, Curaçao, Berlin, Ecole Polytechnique, Jülich, Cali (Colombia), Rondablikk (Norway), Marburg, Dijon
1996	Chemnitz, Athens (GA), Emory (Atlanta), Chicago, Boston, Princeton, CUNY, Nancy, Göttingen, Collège de France, Budapest, Cambridge, Kracov, Freiberg (RFA), Bielefeld, LLB Saclay
1997	Montreal, Heidelberg, Grenoble, CBPF (Rio), Darmstadt, Duke (Durham NC), Singapore, Belo Horizonte, IFP Rueil-Malmaison, Altenberg, Saloniki
1998	Statphys (Paris), Darmstadt, CECAM (Lyon), Bad Honnef, Konstanz, Karlsruhe, Gordon (Il Ciocco), Argonne, Strassbourg, Rimini, Marburg, Taiwan, Bayreuth
1999	Medifinol (Cordoba), SLAFES (Cartagena), APS Centennial, Medenine (Tunis), Naples, Roskilde, Jülich, Darmstadt, Cambridge, Mainz, Metz
2000	Innsbruck, Bariloche, Carry le Rouet, Oldenburg, Metz Maceio (Brazil), Dresden
2001	Nouakchott, Prague, Darmstadt, Tel-Aviv, Fribourg, Köln, Zanzan (Iran), Turin, Karlsruhe, Augsburg, Cancun (Mexico), Altenberg, Aachen, Messina, Caracas, Irsee (Bavaria), Dresden
2002	Irsee, Paris, Dresden, Genf, Heidelberg, Twente, Lyon, Dresden, Stuttgart, München, Bochum, Agadir, Würzburg
2003	Eilat, Paris, Korea, Niteroi (Brazil), Marseille, Duisburg, Shores (Israel), Varenna, Marburg, Salvador, Angra do Reis, Cambridge, Pucon (Chile), Leiden
2004	Paris, Kaiserslautern, Oberwolfach, Darmstadt, Evora (Portugal), Cambridge USA, Bremen, Zanzan (Iran), Bangalore, Calcutta, Helsinki, Dresden, Fortaleza, Marrakech, Stuttgart, Bayreuth, Neapel, Mainz, Easter Island (Chile), La Serena (Chile)
2005	Dresden, Rio de Janeiro, Paris, New Jersey, Zürich, Stuttgart, Braunschweig, München, Calabria, Stuttgart, Ouro Preto, Fortaleza, Maceio, Tepoztlán (Mexico)
2006	Maryland, Barcelona, Recife, Exeter, Primosten, Rennes, Korea, Viña del Mar (Chile), Freiburg, Canberra, Tel Aviv, Aarhus, Sao Lourenzo, Dresden, Santander, Zürich, São Luis (Brasil), Bogotá, Korea, Brasilia, Cuiabá, El Calafate, Brisbane, Sydney, Jerusalem, Beer Sheva, Athens
2007	Zürich, Davos, Fortaleza, Mainz, Regensburg, Nürnberg, Basel, Los Angeles, Utah, Cardiff, Catania, Naples, Genua, Ouro Preto, Natal, São Paulo, Kopenhagen
2008	Monte Verità, Basel, Leuven, Erice, Dübendorf, Longyearbyen, São José dos Campos, Florianopolis, Ouro Preto, Aussois, Zürich, Lausanne, Lavin
2009	Udine, Zürich, Lisbon, Rapperswil, Dübendorf, Monte Verità, Warwick, Barcelona, Konstanz, Oberwolfach, Buzios
2010	Evanston, Boston, Paris, Fortaleza, Fribourg, Dresden, Torino, Trondheim, Stuttgart, Varenna, Seoul, Cairns, Villigen, Freiburg, Enschede
2011	Budapest, Paris, Fortaleza, Atlanta, Boston, Lissabon, São Paulo, Foz do Iguaçu, Porto Alegre, Larnaca, Joao Pessoa, Bayreuth, Duisburg, Natal, Winterthur, Santiago de Chile, Tokyo, Lausanne, Oldenburg
2012	Paris, Porto de Galinhas, Brasilia, Oslo, Detroit, Ann Arbor, Catania, Seoul, Bangalore, München, Turunç, Haifa, Odessa, Medellin, Istanbul, Stuttgart, Cartagena, Zürich
2013	Denver, Göttingen, Zürich, Oslo, Rabat, Porto, Peking, Fortaleza, Nancy
2014	Paris, Fortaleza, Santiago, Dresden, Bangkok, Malaga, Sao Paulo, Rio de Janeiro
2015	Paris, Rio de Janeiro, Fortaleza, Guwahati, Barcelona, Innsbruck, Saragossa, Cartagena, Malaga, London
2016	Bangalore, Brüssel, Nürnberg, Suzhou, Lanzhou, Lyon, Amsterdam
2017	Salvador, Porto, Paris, Mallorca, Rio de Janeiro, Nürnberg, Hannover, Singapur, Barcelona
2018	Los Angeles, Paris, Orléans, Wien, Köln, Foz do Iguaçu

## ORGANIZATION OF CONFERENCES

09/1984	Workshop on Kinetic Models for Cluster Formation
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06-07/1985 On Growth and Form, (Cargèse)  
 09-10/1986 Workshop on Dynamics on Fractals and Hierarchies of Critical Exponents  
 09-10/1988 Workshop on Computer Simulations Cellular Automata, (Orsay)  
 05-06/1989 Disorder and Fracture, (Cargèse)  
 07-08/1989 Statphys 17, (Rio de Janeiro)  
 08/1989 Workshop on Computational Physics and Cellular Automata (Ouro Preto)  
 05/1990 Physics at HLRZ (Jülich)  
 04/1991 Fermion Algorithms (Jülich)  
 06/1992 Dynamics of First Order Transitions (Jülich)  
 06/1993 Physics on Massively Parallel Computer (Jülich)  
 11/1994 Supercomputing in Brain Research (Jülich)  
 09/1994 Fisica de Medios Porosos (Bogota)  
 04/1997 Workshop on Soft and Particle Materials  
 09/1997 NATO-Advanced Study Institute "Physics of Dry Granular Media"  
 11-12/1998 Workshop Verkehrsplanung und Simulation, Stuttgart  
 02/1999 Workshop Micro-Macro description of granular media, Stuttgart  
 03/1999 WE-Heraeus Seminar, Granular Gases, Bad Honnef  
 04/2000 International Workshop on Scaling and Disordered Systems, Paris  
 04/2000 CDM2000, Stuttgart  
 02/2003 Int. Workshop on Percolating Towards Ageing Through Physics, Niteroi, Brazil  
 11/2003 Int. Workshop on trends and perspectives in extensive and non-extensive  
 statistical mechanics, Angra dos Reis, Brazil  
 05/2004 NDES2004, Evora, Portugal  
 07/2004 STATPHYS22, Steering Committee, Bangalore, India  
 07/2004 From Many-Particle Physics to Multi-Agent Systems, Dresden  
 09/2004 CDM 2004, Stuttgart  
 07/2005 5th International Conference Powders and Grains 2005, Stuttgart.  
 10/2006 Journées de Physique Statistique 2006, Paris, France  
 2007 STATPHYS23 Steering Committee, Genova  
 02/2009 From Shear Bands to Rapid Flow, Monte Verità, Switzerland  
 06/2009 17. International Workshop on Nonlinear Dynamics of Electronic Systems  
 (NDES 09), Rapperswil, Switzerland  
 06/2009 ECCOMAS: International Conference on Particle-based Methods, Barcelona,  
 Spain  
 06/2009 International Workshop on Coping with Crises in Complex Socio-Economic  
 Systems, Zürich  
 01/2011 Rencontre de Physique Statistique 2011, Paris, France  
 06/2011 International Workshop on Coping with Crises in Complex Socio-Economic  
 Systems, Zurich, Switzerland  
 11/2011 Editorial board meeting of EPJE, Zurich, Switzerland  
 01/2012 Rencontre de Physique Statistique 2012, Paris, France  
 12/2012 Winter School on Numerical and Experimental Assesment of Landslides and  
 Debris Flow, (MUMOLADE, Multiscale Modelling of Landslides and Debris Flows)  
 01/2013 Journées de Physique Statistique 2013, Paris, France  
 01/2014 Hans J. Herrmann's 60th Anniversary International Conference, Zurich,  
 Switzerland  
 01/2015 Journées de Physique Statistique 2015, Paris, France  
 01/2016 Journées de Physique Statistique 2016, Paris, France  
 01/2017 Journées de Physique Statistique 2017, Paris, France  
 01/2018 Journées de Physique Statistique 2018, Paris, France

# LIST OF PUBLICATIONS

<http://www.hans-herrmann.ethz.ch/publications/index>

1. H.J. HERRMANN, Similarity laws for the density profile of percolation clusters and lattice animals, *Z. Phys.* **B35**, 335-337 (1979)
2. H.J. HERRMANN, Monte Carlo simulation of the three dimensional Potts model, *Z. Phys.* **B35**, 171-175 (1979)
3. P.D. ESCHBACH, D. STAUFFER, H.J. HERRMANN, Correlation length exponent in two dimensional percolation and Potts model, *Phys. Rev.* **B23**, 422-425 (1981)
4. R. ZORN, H.J. HERRMANN, C. REBBI, Tests of the multi-spin-coding technique in Monte Carlo simulations of statistical systems, *Comp. Phys. Comm.* **23**, 337-342 (1981)
5. H.J. HERRMANN, Exponents and logarithms of the Potts model through a 1D quantum Hamiltonian, *Z. Phys.* **B43**, 55-60 (1981)
6. H.J. HERRMANN, D.P. LANDAU, D. STAUFFER, New universality class for kinetic gelation, *Phys. Rev. Lett.* **49**, 412-415 (1982)
7. H.J. HERRMANN, E.B. RASMUSSEN, D.P. LANDAU, Computer simulation studies of three dimensional tricritical behavior, *J. Appl. Phys.* **53**, 7994-7996 (1982)
8. A. MARGOLINA, H.J. HERRMANN, D. STAUFFER, Size of largest and second-largest cluster in random percolation, *Phys. Lett. A* **93**, 73-75 (1982)
9. R. BANSIL, H.J. HERRMANN, D. STAUFFER, Kinetic percolation with mobile monomers and solvent as a model for gelation, *J. Polymer Sci.* **73**, 175-180 (1985)
10. A. RUSHTON, F. FAMILY, H.J. HERRMANN, Gelation by additive polymerisation in two dimensions, *J. Polymer Sci.* **73**, 1-5 (1985)
11. B. DERRIDA, H.J. HERRMANN, Collapse of branched polymers, *Journal Physique* **44**, 1365-1376 (1983)
12. H.J. HERRMANN, H.O. MARTIN, Critical behavior of a (1+1) dimensional Potts model with ferromagnetic and antiferromagnetic interactions, *J. Phys. A* **17**, 657-665 (1984)
13. B. DERRIDA, D. STAUFFER, H.J. HERRMANN, J. VANNIMENUS, Transfer matrix calculation of conductivity in three-dimensional random resistor networks at percolation threshold, *J. Physique Lett.* **44**, L701-L706 (1983)
14. H.J. HERRMANN, F. FAMILY, H.E. STANLEY, Position-space renormalization group for directed branched polymers, *J. Phys. A* **16**, L375-L379 (1983)
15. H.J. HERRMANN, Finite size scaling approach to a metamagnetic model in two dimensions, *Phys. Lett. A* **100**, 256-258 (1984)
16. H.J. HERRMANN, D. STAUFFER, Corrections to scaling and finite size effects, *Phys. Lett. A* **100**, 366-369 (1984)
17. H.J. HERRMANN, The moles' labyrinth : a growth model, *J. Phys. A* **16**, L611-L616 (1983)
18. K. FESSER, H.J. HERRMANN, The asymmetric clock model on a Cayley tree, *J. Phys. A* **17**, 1493-1507 (1984)
19. H.J. HERRMANN, D.C. HONG, H.E. STANLEY, Backbone and elastic backbone of percolation clusters obtained by the new method of "burning", *J. Phys. A* **17**, L261-L266 (1984)
20. H.J. HERRMANN, D. STAUFFER, D.P. LANDAU, Computer simulation of a model for irreversible gelation, *J. Phys. A* **16**, 1221-1239 (1983)
21. H.J. HERRMANN, B. DERRIDA, J. VANNIMENUS, Superconductivity exponent in two- and three-dimensional percolation, *Phys. Rev. B* **30**, 4080-4082 (1984)

22. H.J. HERRMANN, Addition polymerization and related models, in *Kinetics of Aggregation and Gelation*, eds. Family F., Landau D.P., (Elsevier, 1984), pp. 37-41
23. M. KOLB, H.J. HERRMANN, The sol-gel transition modelled by irreversible aggregation of clusters, *J. Phys. A* **18**, L435-L441 (1985)
24. H.J. HERRMANN, H.E. STANLEY, Building blocks of percolation clusters: volatile fractals, *Phys. Rev. Lett.* **53**, 1121-1124 (1984)
25. D. MATTHEWS-MORGAN, D.P. LANDAU, H.J. HERRMANN, Effects of solvent in a kinetic gelation model, *Phys. Rev. B* **29**, 6328-6334 (1984)
26. A. MARGOLINA, H.J. HERRMANN, On finite-size scaling of the order parameter in percolation, *Phys. Lett. A* **104**, 295-298 (1984)
27. R. BANSIL, H.J. HERRMANN, STAUFFER D., Computer simulation of kinetics of gelation by addition polymerization in a solvent, *Macromolecules* **17**, 998-1004 (1984)
28. A. CHHABRA, D. MATTHEWS-MORGAN, D.P. LANDAU, H.J. HERRMANN., Oscillations and scaling in the cluster size distribution for kinetic gelation, *J. Phys. A* **18**, L575-L578 (1985)
29. H.J. HERRMANN, R. JULLIEN, L'agrégation et la gélation: lois d'échelles pour la croissance d'amas, *Les Images de la Physique, Suppl.* **59**, 12-15 (1985)
30. D. C. HONG, S. HAVLIN, H.J. HERRMANN, H.E. STANLEY, Breakdown of Alexander-Orbach conjecture for percolation : exact enumeration of random walks on percolation backbones, *Phys. Rev. B* **30**, 4083-4086 (1984)
31. R. JULLIEN, M. KOLB, H.J. HERRMANN, J. VANNIMENUS, CECAM-Workshop on kinetic models for cluster formation, *J. Stat. Phys.* **39**, 241-258 (1985)
32. L. DE ARCANGELIS, S. REDNER, H.J. HERRMANN, A random fuse model for breaking processes, *J. Physique Lett.* **46**, L585-L590 (1985)
33. F. HAYOT, H.J. HERRMANN, J.-M. NORMAND, P. FARTHOUAT, M. MUR, A special purpose computer for the electrical conductivity of disordered media, *J. Comp. Phys.* **64**, 380-388 (1986) and *Lecture Notes in Physics No.* **240**, pp. 172-183
34. H.J. HERRMANN, Numerical simulation of percolation and other gelation models, in *Physics of finely divided matter*, eds. Boccara N., Daoud M., (Springer, Berlin, 1985), pp. 102-106
35. H.J. HERRMANN, H.E. STANLEY, On the growth of percolation clusters: the effect of time correlations, *Z. Physik B* **60**, 165-170 (1985)
36. A. BUNDE, H.J. HERRMANN, A. MARGOLINA, H.E. STANLEY, Universality classes for spreading phenomena: a new model with fixed static but continuously tunable kinetic exponents, *Phys. Rev. Lett.* **55**, 653-656 (1985)
37. A. BUNDE, H.J. HERRMANN, H.E. STANLEY, The shell model: a growth model with a tunable fraction of forgotten growth sites, *J. Phys. A* **18**, L523-L529 (1985)
38. H.J. HERRMANN, Geometrical cluster growth models and kinetic gelation, *Phys. Reports* **136**, 153-227 (1986)
39. H.J. HILHORST, H.J. HERRMANN, Spezialcomputer in der Physik, *Physik. Bl.* **42**, 52-55 (1986)
40. H.J. HERRMANN, Growth: an introduction, in *On Growth and Forms: Fractal and Non-Fractal Patterns in Physics*, eds. Stanley H.E., Ostrowski N., (Martinus Nijhoff Publishers, Dordrecht, 1986), pp. 3-20
41. M. KOLB, R. BOTET, R. JULLIEN, H.J. HERRMANN, Flocculation and gelation in cluster aggregation, in *On Growth and Forms : Fractal and Non-Fractal Patterns in Physics*, eds. Stanley H.E., Ostrowski N., (Martinus Nijhoff Publishers, Dordrecht, 1986), pp. 222-226
42. N. BAHADUR, H.J. HERRMANN, D.P. LANDAU, Anomalous diffusion of kinetic gelation clusters in three dimensions, *J. Phys. A* **20**, L147-L152 (1987)

43. J. KERTESZ, H.J. HERRMANN, Percolation of hypersurfaces and finite-size scaling, *J. Phys. A* **18**, L1109-L1112 (1985)
44. A. CHHABRA, D. MATTHEWS-MORGAN, D.P. LANDAU, H.J. HERRMANN, Critical behavior of a three-dimensional kinetic gelation model, *Phys. Rev. B* **34**, 4796-4806 (1986)
45. H.J. HERRMANN, Some selected topics from critical phenomena, in *Critical Phenomena Phase Transitions Supersymmetry (LASP-85)*, eds. Millan J., Prieto P., (Cali, Colombia, 1985), pp. 1-84
46. R. BANSIL, B. CARVALHO, H.J. HERRMANN, Clusters and fractals in three-dimensional kinetic gelation in the presence of a mobile solvent, *J. Phys. A* **18**, L159-L163 (1985)
47. H.J. HERRMANN, Fast algorithm for the simulation of Ising models, *J. Stat. Phys.* **45**, 145-151 (1986)
48. H.J. HERRMANN, D. STAUFFER, S. ROUX, Violation of linear elasticity due to randomness, *Europhys. Lett.* **3**, 265-267 (1987)
49. S. ROUX, D. STAUFFER, H.J. HERRMANN, Simulation of disordered systems of cylinders. I. Geometrical behaviour, *J. Physique* **48**, 341-345 (1987)
50. D. STAUFFER, H.J. HERRMANN, S. ROUX, Simulation of disordered systems of cylinders II. Mechanical behavior, *J. Physique* **48**, 347-351 (1987)
51. H.J. HERRMANN, M. KOLB, Irreversible aggregation of clusters at high density, *J. Phys. A* **19**, L1027-L1031 (1986)
52. H.J. HERRMANN, Special purpose computers in statistical physics, *Physica A* **104**, 421-427 (1986)
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