

# **Bureaucrats and Interest Groups: An Integrative Literature Review**

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Supplementary files (appendices)

# Literature review protocol

The study combined a semi-systematic search with an integrative literature review (qualitative content analysis). As the project encompassed different fields and broad research questions, a systematic review was not feasible.

## Goals

- i) Having an overview on connections between research literatures on bureaucracy, interest groups and lobbying, and public policies.
- ii) Mapping recent studies on political connections of bureaucrats and their interactions with interest groups.
- iii) Reformulating analytical frameworks on patronage and politicization of the bureaucracy.

The research literature aimed at investigating how the materials analyse the political connections of bureaucrats (with a focus on interest groups and political parties) and how authors measure the politicisation of bureaucracy.

## Tasks

1. Defining initial search terms.
2. Conducting tests in databases
3. Refining search terms
4. Using search terms in different databases
5. Merging databases in the reference manager
6. Correcting bibliometric data and checking duplicates
7. Reading all abstracts
8. Selecting papers for catalogues based on abstracts.
9. Building final catalogues (divided by themes and relevance to research questions) x
10. Refining search (search terms in other languages, new corrections, reviewing selection)
11. Downloading full-texts and organising folders
12. Final adjustments
13. Analysing the content qualitatively (content analysis) – full texts (codification - integrating concepts)

## BASES:

Scopus (.csv, OR has precedence, {} for exact terms)\* you must exclude “correspondence address” and “funding text” to visualise data through VOS Viewer

Web of Science (.txt, AND has precedence – ADD (), “” for exact terms)

Mendeley (Ris/BiBTeX)

Periódico CAPES (SciELO, JSTOR, among others) + other texts added by the researcher and her supervisor.

**Software and tools:**

Mendeley (reference manager/organisation)

VoS Viewer (initial visualisation of bibliometric data)

R (analysis of bibliometric data)

NVivo (content analysis)

**PREVIOUS SEARCHES (PILOT)**

- BBIGL: (Bureaucracy\*OR\*Bureaucrats) AND (Interest Groups\*OR\*Lobbying)
  - Catalogue BR: 116 documents
    - Keywords: min. oc. = 2 (m. 30-40 words meeting the criteria)
  - Scopus: 273 documents
    - Keywords: min. oc.= 3 (70 meeting the criteria) for all keywords and 2 for authors keywords (66 meeting the criteria)
    - Countries: min. oc.= 2 (29 meeting the criteria)
    - Authors: min. oc= 2 (39 meeting the criteria)
  - Web of Science: 442 documents
    - Keywords: min. oc. = 5 for all keywords (93 words meeting the criteria) x 3 for authors keywords (64 meeting the criteria)
    - Countries: min. oc. = 2 (41 meeting the criteria)
    - Authors: min. oc. = 2 (39 meeting the criteria)
- BPo: (Bureaucracy) AND (Politicization\*OR\*Politicisation)
  - Scopus: 177 documents
  - Web of Science: 137 documents
- BPa: (Bureaucracy) AND (Patronage)
  - Scopus: 175 documents
  - Web of Science: 153 documents
- BAP: (Bureaucracy) AND (Appointments)
  - Scopus: 142 documents
  - Web of Science: 138 documents
- OAP: (Officers or Officials) AND (Appointments)
  - Scopus: 1,114 results

- Web of Science: 784 documents
- OIGL: (Officers or Officials) AND (Interest groups or Lobbying)
  - Scopus: 804 documents
  - Web of Science: 2,471 documents
- OBIGLP: (Officers or Officials) AND (Interest groups or Lobbying) AND (Parties)
  - Scopus: 140 documents
  - WoS: 212 documents

**OBS:** Some terms (“human”, “article”, among others) were excluded from the map analysis.

## FINAL SEARCH

(Files’ names: Final Base Search Terms CM Period)

### IGs + Bureaucracy

*Scopus:* ( TITLE-ABS-KEY ( bureaucracy OR bureaucrat OR {civil servants} OR {government officers} OR {government officials} ) AND TITLE-ABS-KEY ( {interest groups} OR {lobbying} OR {advocacy} OR {pressure groups} OR {interest organizations} OR {lobbyists} ) ) AND PUBYEAR > 1999 AND PUBYEAR < 2023 AND PUBYEAR > 1999 AND PUBYEAR < 2023 **[805 results]**

*WoS:*

(bureaucracy OR bureaucrats OR "civil servants" OR "government officers" OR "government officials") AND ("interest groups" OR "lobbying" OR "advocacy" OR "pressure groups" OR "interest organizations" OR "lobbyists") **[576 results]**

### Politicisation/politics of the bureaucracy

*Scopus:*

1 - ( TITLE-ABS-KEY ( bureaucracy OR bureaucrat OR {civil servants} OR {government officers} OR {government officials} ) AND TITLE-ABS-KEY ( politicization ) ) AND PUBYEAR > 1999 AND PUBYEAR < 2023 **[264 results]**

2- ( TITLE-ABS-KEY ( bureaucracy OR bureaucrats OR {civil servants} OR {government officers} OR {government officials} ) AND TITLE-ABS-KEY ( politicization OR politics ) ) AND PUBYEAR > 2001 AND PUBYEAR < 2023 AND PUBYEAR > 2001 AND PUBYEAR < 2023 **[3,422 results]**

*WoS*

1- (bureaucracy OR bureaucrats OR "civil servants" OR "government officers" OR "government officials") AND politicization **[184 results]**

2- (bureaucracy OR bureaucrats OR "civil servants" OR "government officers" OR "government officials") AND (politicization OR politics) [3,255 results]

### Patronage of bureaucracy

*Scopus:*

( TITLE-ABS-KEY ( bureaucracy OR bureaucrat OR {civil servants} OR {government officers} OR {government officials} ) AND TITLE-ABS-KEY ( patronage ) ) AND PUBYEAR > 1999 AND PUBYEAR < 2023 [264 results]

*WoS*

(bureaucracy OR bureaucrats OR "civil servants" OR "government officers" OR "government officials") AND patronage [219 results]

TOTAL (QT) – General collection (previous searches + final search): 1,976

Qualitative analysis: >400

### DATA – GRAPHS

Year

Institution

Languages

### Catalogues (organized through Mendeley)

- **Filter 1:** The initial catalogue had more than 5.000 documents. After checking duplicates and excluding materials non-related to the general theme, the catalogue comprised 1,800 documents.
- **Filter 2:** After reading abstracts and keywords, other materials were excluded. The general catalogue (All KW) had 1,232 documents. This catalogue was used for building the first network maps through VoS Viewer. Publications on the private sector or other non-related themes were excluded from this general catalogue (see *Exclusion criteria* below)<sup>1</sup>.
- **Filter 3:** After reading the abstracts and fragments of each text again, publications belonging to the general collection ("all keywords" = all search terms) were divided into three catalogues in addition to the final one:

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<sup>1</sup> For example, there are other usages of the word "patronage" (Arts) and bureaucracy (procedures, not actors or private/union/companies' bureaucracy). Occasional mentions to bureaucracies in health reports or articles were also excluded. Politicisation may refer to other aspects rather than bureaucrats (politicisation of issues, for instance). Personal biographies of officers were also excluded.

- **Catalogue 1 (Politicisation, Professionalisation, Bureaucracy):** texts addressing issues related to civil service, professionalisation and politicisation of the public bureaucracy. It comprised journal articles, books, and other materials regarding political connections of public officers (e.g., their interaction with politicians). It also included texts on other topics related to public administration, such as political appointments, turnover, and the delivery of public services. Texts with empirical evidence on the profile of bureaucrats (characteristics such as socioeconomic variables) were also included.
- **Catalogue 2 (Interest Groups, Lobbying, Advocacy):** texts approaching issues related to interest groups, lobbying, and advocacy. There were several texts in the initial catalogue on specific policy domains.
- **Catalogue 3 (Interest Groups and Bureaucracy):** texts discussing interactions between interest groups and the public bureaucracy.
- **Final catalogue (for qualitative analysis):** texts on the relationship between bureaucrats and stakeholders in policymaking, such as interest groups and political parties. It also comprised texts which proposed methods to measure the politicisation of bureaucracy. This catalogue is focused on the Executive branch, intermediate/high-level officials, and the national level (*see Screening Criteria* below).
- Other criteria for the final catalogue: mention to keywords (officers/officials, bureaucrats, bureaucracy, patronage, politicization, among others) in abstracts, title, and texts; focus on the relationship between actors; period (catalogues focused on contemporary regimes → from 1900 on).
- General collection: the search was refined (final search terms) and texts were added to the collection, whose final version had 1,976 documents.

**1. Catalogue BR (previous research on the same topic based on *Periódicos CAPES*):** 119 documents.

**2. Collections (Scopus+WoS)<sup>2</sup>:**

- a. BBIGL: 529 documents
- b. BPO: 348 documents
- c. BPA: 239 documents
- d. BAP: 194 documents
- e. OAP: 1,383 documents
- f. OBIGLP: 151 documents
- g. CSIGL: 121 documents

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<sup>2</sup> Duplicated documents were checked in all collections. I also excluded non-related documents - for instance, specific papers about operations in certain sectors – e.g., Doctors and medical workers in specific procedures / e.g., *Exploring physicians' Dissatisfaction and Work-Related Stress*

- h. All search terms (All KW): 1,807 documents
- i. General Collection (after filtering all the previous searches): 1,976 documents
- j. Final collection: 482 (415 texts available)

### **3. General Collection (Quantitative analysis)**

- a. Keywords
- b. Authors
- c. Countries

### **4. Final Collection (Qualitative analysis)**

415/482 texts (texts not available excluded)

#### **Exclusion criteria (Filter 1):**

- Non-academic materials (newspapers, notes, among others).
- Non-related themes or topics (private sector, other activities rather than those belonging to the policy cycle).
- Generic mentions to the search terms (for instance, public officials were mentioned in the paper only because they were interviewed).

#### **Screening criteria for the general collection (Filter 2):**

- Themes: politicisation, patronage, political appointments, interaction between interest groups and officers.

#### **Screening criteria for the final catalogue (Filter 3):**

- **Period:** contemporary (studies on past imperial regimes were excluded)
- **Phase:** policymaking, rulemaking or political appointments
- **Level of Government:** Executive branch, federal agencies, and committees. State-owned enterprises were excluded.
  - o National and regional level (EU). Exceptions: papers focusing on the relationship between IGs and national delegations or the central government and subnational unities, papers with a comparative design
- **Type of bureaucrat:** Intermediate or high-level posts (street-level bureaucrats and armed forces<sup>3</sup> excluded from the qualitative analysis).
- Comparative studies were prioritised.
- **Type of material:** journal articles and chapters (books and reports excluded)

## **Codebook (Content Analysis)**

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<sup>3</sup> Except for military servants occupying traditionally civic posts. Police was considered as an armed force.

| Name   | Description   | Files | References |
|--|---|-------|------------|
| Actors                                       | Agents in general mentioned by the text - even if they are not taking any political activity.   | 406   | 5819       |
| Bureaucrats or government employees          |   | 364   | 2062       |
| Lower tier officers or junior                |   | 6     | 8          |
| Military official or armed forces            |   | 3     | 6          |
| Street-level bureaucrats                     |   | 11    | 16         |
| Top public officers or senior                |   | 80    | 250        |
| Citizens (public)                            |   | 46    | 97         |
| Interest groups                              |   | 158   | 750        |
| Lobbyists                                    |   | 40    | 106        |
| Ministers                                    |   | 91    | 325        |
| NGOs or nonprofit organisations              |   | 19    | 28         |
| Political parties                            |   | 201   | 867        |
| Politicians or elected officials             |   | 272   | 968        |
| President, PM or Executive leader            |   | 124   | 578        |
| Social movements                             |   | 5     | 20         |
| Trade unions or professional associations    |   | 8     | 13         |
| Classification IGs                           | Stakeholders undertaking lobbying activities. General categories based on Baroni et al. (2014), Chalmers (2014) - Transparency Register | 100   | 573        |
| Academic institutions                        |   | 3     | 3          |
| Citizen or public interest groups            |   | 32    | 60         |
| Social movements                             |   | 2     | 2          |
| Firms, trade associations or business groups |   | 73    | 192        |
| Government officials or agencies             |   | 17    | 25         |
| NGOs or nonprofit organisations              |   | 17    | 33         |



| Name                                 | Description | Files | References |
|--------------------------------------|-------------|-------|------------|
| Politicians or elected officials     |             | 4     | 5          |
| Religious organisations              |             | 2     | 4          |
| Think tanks or research institutions |             | 12    | 16         |
| Unions or professional associations  |             | 25    | 47         |
| Countries or regions                 |             | 397   | 3810       |
| Afghanistan                          |             | 1     | 2          |
| Africa                               |             | 17    | 25         |
| Argentina                            |             | 19    | 55         |
| Armenia                              |             | 1     | 1          |
| Asia                                 |             | 11    | 18         |
| Australia                            |             | 32    | 49         |
| Austria                              |             | 21    | 36         |
| Bangladesh                           |             | 8     | 19         |
| Belgium                              |             | 18    | 39         |
| Benin                                |             | 3     | 23         |
| Bolivia                              |             | 3     | 4          |
| Botswana                             |             | 4     | 5          |
| Brazil                               |             | 43    | 120        |
| Bulgaria                             |             | 10    | 17         |
| Cambodia                             |             | 2     | 6          |
| Canada                               |             | 42    | 79         |
| Chile                                |             | 19    | 71         |
| China                                |             | 25    | 70         |
| Colombia                             |             | 12    | 17         |
| Congo                                |             | 1     | 1          |
| Costa Rica                           |             | 5     | 7          |
| Croatia                              |             | 7     | 9          |
| Cuba                                 |             | 3     | 4          |
| Cyprus                               |             | 3     | 3          |
| Czech Republic                       |             | 17    | 56         |
| Denmark                              |             | 46    | 152        |
| Dominican Republic                   |             | 7     | 29         |
| Ecuador                              |             | 6     | 11         |
| Egypt                                |             | 2     | 2          |
| El Salvador                          |             | 2     | 4          |

| Name                     | Description | Files | References |
|--------------------------|-------------|-------|------------|
| Eritrea                  |             | 1     | 3          |
| Estonia                  |             | 14    | 33         |
| Ethiopia                 |             | 2     | 3          |
| Europe or European Union |             | 97    | 244        |
| Finland                  |             | 11    | 29         |
| France                   |             | 51    | 85         |
| Germany                  |             | 59    | 147        |
| Ghana                    |             | 13    | 40         |
| Greece                   |             | 19    | 34         |
| Guatemala                |             | 2     | 4          |
| Honduras                 |             | 1     | 1          |
| Hong Kong                |             | 1     | 2          |
| Hungary                  |             | 28    | 139        |
| Iceland                  |             | 3     | 5          |
| India                    |             | 21    | 44         |
| Indonesia                |             | 13    | 26         |
| Iraq                     |             | 2     | 3          |
| Ireland                  |             | 15    | 19         |
| Israel                   |             | 7     | 13         |
| Italy                    |             | 30    | 73         |
| Japan                    |             | 23    | 39         |
| Kenya                    |             | 4     | 4          |
| Korea                    |             | 25    | 60         |
| Kosovo                   |             | 3     | 14         |
| Kyrgyzstan               |             | 0     | 0          |
| Lao                      |             | 1     | 1          |
| Latin America            |             | 32    | 80         |
| Latvia                   |             | 11    | 22         |
| Liberia                  |             | 1     | 1          |
| Libya                    |             | 1     | 1          |
| Lithuania                |             | 12    | 22         |
| Luxembourg               |             | 2     | 2          |
| Macedonia                |             | 1     | 1          |
| Madagascar               |             | 1     | 1          |
| Malawi                   |             | 2     | 2          |
| Malaysia                 |             | 7     | 23         |

| Name                | Description | Files | References |
|---------------------|-------------|-------|------------|
| Mexico              |             | 18    | 52         |
| Montenegro          |             | 1     | 2          |
| Mozambique          |             | 1     | 1          |
| Namibia             |             | 0     | 0          |
| Nepal               |             | 5     | 8          |
| Netherlands         |             | 34    | 64         |
| New Zealand         |             | 21    | 44         |
| Nicaragua           |             | 2     | 5          |
| Niger               |             | 1     | 1          |
| Nigeria             |             | 4     | 4          |
| Norway              |             | 15    | 35         |
| Pakistan            |             | 11    | 24         |
| Panama              |             | 3     | 3          |
| Paraguay            |             | 6     | 18         |
| Peru                |             | 8     | 24         |
| Philippines         |             | 7     | 27         |
| Poland              |             | 18    | 64         |
| Portugal            |             | 17    | 48         |
| Romania             |             | 10    | 13         |
| Russia              |             | 16    | 46         |
| Rwanda              |             | 2     | 2          |
| Senegal             |             | 3     | 3          |
| Serbia              |             | 5     | 6          |
| Singapore           |             | 6     | 8          |
| Slovakia            |             | 17    | 41         |
| Slovenia            |             | 10    | 36         |
| Somalia             |             | 1     | 1          |
| South Africa        |             | 11    | 37         |
| Spain               |             | 27    | 48         |
| Sri Lanka           |             | 4     | 17         |
| Sweden              |             | 36    | 103        |
| Switzerland         |             | 6     | 6          |
| Taiwan              |             | 9     | 27         |
| Tanzania            |             | 2     | 3          |
| Thailand            |             | 6     | 29         |
| Timor Leste         |             | 1     | 1          |
| Trinidad and Tobago |             | 0     | 0          |

| Name   | Description | Files | References |
|--|-------------|-------|------------|
| Tunisia  |             | 1     | 2          |
| Turkey   |             | 13    | 38         |
| Uganda   |             | 5     | 7          |
| Ukraine  |             | 5     | 6          |
| United Kingdom   |             | 101   | 255        |
| United States  |             | 216   | 467        |
| Uruguay  |             | 4     | 8          |
| Venezuela  |             | 6     | 12         |
| Vietnam  |             | 3     | 3          |
| Yugoslavia   |             | 1     | 1          |
| Zambia   |             | 2     | 2          |
| Zimbabwe   |             | 1     | 1          |
| Dichotomies or tensions                                      |             | 116   | 318        |
| Loyalty x Competence   |             | 19    | 41         |
| Merit x Trust  |             | 15    | 30         |
| Politics x Administration                                    |             | 110   | 272        |
| blurred boundaries<br>between politics and<br>administration |             | 4     | 6          |
| politics separated from<br>administration                    |             | 5     | 7          |
| Technical (Merit) x<br>Political                             |             | 44    | 81         |
| Interactions and<br>relationships                            |             | 159   | 1020       |
| Bureaucrats and elites                                       |             | 2     | 6          |
| Bureaucrats and firms  |             | 3     | 13         |
| Bureaucrats and parties                                      |             | 16    | 20         |
| Bureaucrats and<br>politicians or elected<br>officials       |             | 72    | 154        |
| Bureaucrats and the<br>public                                |             | 13    | 18         |
| IGs and bureaucrats  |             | 86    | 293        |
| IGs and elected officials                                    |             | 32    | 97         |
| IGs and parties  |             | 8     | 20         |
| IGs, bureaucrats, and<br>parties                             |             | 2     | 2          |
| Patronage  |             | 144   | 905        |

| Name  | Description   | Files | References |
|---|---|-------|------------|
| Concept of patronage                              |   | 43    | 59         |
| allocation of public offices by political parties |   | 19    | 30         |
| clientelistic relationship                        |   | 2     | 2          |
| concept of patronage is not clear                 |   | 3     | 3          |
| discretionary distribution of posts               |   | 8     | 8          |
| distribution of posts by merit-based criteria     |   | 0     | 0          |
| distribution of posts by non-merit criteria       |   | 11    | 11         |
| distribution of public jobs by political criteria |   | 2     | 2          |
| distribution of public jobs to allies             |   | 11    | 14         |
| exchange of goods for electoral support           |   | 4     | 6          |
| patron-client relationships                       |   | 7     | 8          |
| pork-barrel allocations                           |   | 1     | 1          |
| selection by political leaders                    |   | 2     | 2          |
| Patronage goals                                   | Based on Bearfield's typology (2009) and bibliometrics research.  | 19    | 54         |
| Control over the government                       | It includes not only control over policies but also linkages with the State (Di Mascio, 2014) and control over state resources (usually connected with party-building). | 15    | 32         |
| Creation of political organisations               |   | 2     | 2          |
| Democratic goals                                  |   | 0     | 0          |
| Policy goals                                      |   | 5     | 7          |
| Political support or loyalty                      |   | 15    | 27         |
| Reforms   |   | 2     | 2          |
| Reward to partisans or allies                     |   | 12    | 21         |
| State building                                    |   | 0     | 0          |
| Value of patronage                                |   | 17    | 59         |

| Name  | Description | Files | References |
|---|-------------|-------|------------|
| Benefits                                      |             | 9     | 16         |
| Costs   |             | 11    | 15         |
| Rent-seeking benefits                         |             | 5     | 5          |
| Views on patronage                            |             | 29    | 110        |
| Negative                                      |             | 26    | 41         |
| Neutral                                       |             | 0     | 0          |
| Positive                                      |             | 9     | 20         |
| Political institutions                        |             | 97    | 429        |
| Electoral system                              |             | 6     | 8          |
| Informal institutions                         |             | 4     | 7          |
| Other variables                               |             | 8     | 16         |
| Organisation structure                        |             | 1     | 1          |
| Policy domain                                 |             | 6     | 14         |
| Party system                                  |             | 33    | 50         |
| Multi party                                   |             | 16    | 18         |
| Single party                                  |             | 5     | 5          |
| Two parties                                   |             | 1     | 1          |
| Political regime                              |             | 41    | 83         |
| Autocracy                                     |             | 20    | 35         |
| Democracy                                     |             | 28    | 46         |
| Flawed democracy                              |             | 0     | 0          |
| Hybrid regime                                 |             | 1     | 1          |
| Separation of powers                          |             | 6     | 7          |
| Federalist system                             |             | 3     | 3          |
| Unitary system                                |             | 1     | 1          |
| System of government                          |             | 35    | 66         |
| Coalitional presidentialism                   |             | 9     | 12         |
| Parliamentarism                               |             | 17    | 24         |
| Presidentialism                               |             | 20    | 32         |
| Semi-presidentialism                          |             | 2     | 2          |
| Politicisation of the bureaucracy             |             | 186   | 1411       |
| Bureaucrats as technocrats                    |             | 1     | 1          |
| Bureaucrats' ideology or interest in politics |             | 1     | 1          |

| Name  | Description   | Files | References |
|---|---|-------|------------|
| Bureaucrats' political roles                      |   | 17    | 35         |
| Discretionary choice                              |   | 2     | 2          |
| Loyalty to the president or superiors             |   | 9     | 20         |
| Partisan loyalty or influence                     | Partisan loyalty from bureaucrats or partisan power in appointing individuals to positions. It includes partisan affiliation and other types of engagement. | 22    | 47         |
| Other types of partisan engagement                |   | 0     | 0          |
| Partisan affiliation                              |   | 1     | 1          |
| Political interference in bureaucratic activities |   | 2     | 2          |
| Political intervention in appointments            | Political influence in selecting, deselecting or promoting bureaucrats.   | 14    | 22         |
| Political links of bureaucrats                    |   | 6     | 8          |
| Political or personal connections                 | Broad definition: political connections of bureaucrats in general (no specification).   | 10    | 10         |
| Political vs merit-based criteria                 |   | 37    | 62         |
| Politician-civil servant interaction              |   | 3     | 4          |
| Profile of bureaucrats                            |   | 53    | 152        |
| Age   |   | 11    | 15         |
| Career type                                       | outsider or career civil servant  | 14    | 22         |
| Education   |   | 20    | 25         |
| Gender  |   | 16    | 23         |
| Other political activities                        |   | 5     | 5          |
| Partisan affiliation or engagement                |   | 21    | 45         |
| Professional experience                           |   | 16    | 20         |
| experience in the private sector                  |   | 1     | 1          |
| experience in the public sector                   |   | 3     | 4          |
| Race  |   | 2     | 3          |
| Social background                                 |   | 4     | 4          |
| Related topics                                    |   | 392   | 4730       |
| Administrative traditions                         |   | 19    | 59         |

| Name                                     | Description   | Files | References |
|--|---|-------|------------|
| Bureaucratic autonomy                    |   | 63    | 184        |
| Civil service reform                     |   | 59    | 211        |
| Civil-military relations                 |   | 3     | 15         |
| Clientelism                              |   | 42    | 123        |
| Control over the bureaucracy or policies | Control over the bureaucracy by the political authority (ministers, president, etc) | 108   | 294        |
| Corruption                               |   | 101   | 328        |
| Democracy                                |   | 71    | 141        |
| Division of Powers                       |   | 17    | 40         |
| Evaluation or performance assessment     |   | 2     | 4          |
| Executive-legislative relations          |   | 18    | 41         |
| IGs strategies                           |   | 23    | 93         |
| Interest group influence                 |   | 46    | 134        |
| Interest representation                  |   | 7     | 29         |
| Oversight and accountability             |   | 48    | 112        |
| Policymaking                             |   | 111   | 190        |
| Political appointments                   |   | 228   | 1355       |
| Professionalisation of the bureaucracy   |   | 69    | 152        |
| Recruitment processes                    |   | 118   | 417        |
| Representative bureaucracy               |   | 24    | 49         |
| Responsiveness                           |   | 83    | 189        |
| Revolving doors                          |   | 24    | 94         |
| Service delivery                         |   | 32    | 52         |
| State capacity                           |   | 21    | 48         |
| State capture                            |   | 32    | 59         |
| State-society relations                  |   | 6     | 9          |
| Turnover or tenure                       |   | 59    | 236        |
| Venue choice                             |   | 22    | 71         |
| Research and methods                     |   | 343   | 2852       |
| Data sources                             |   | 135   | 209        |
| Gaps in the literature                   |   | 143   | 223        |
| General methodology                      |   | 71    | 80         |
| Formal modeling                          |   | 32    | 36         |



| Name                          | Description | Files | References |
|-------------------------------|-------------|-------|------------|
| Interpretive-Phenomenology    |             | 1     | 1          |
| Mixed methods                 |             | 10    | 13         |
| Qualitative                   |             | 34    | 38         |
| Quantitative                  |             | 47    | 55         |
| Theoretical discussion        |             | 2     | 2          |
| Measurement and variables     |             | 69    | 174        |
| Corruption                    |             | 5     | 11         |
| IG influence                  |             | 5     | 5          |
| Party engagement              |             | 2     | 4          |
| Patronage                     |             | 14    | 30         |
| Politicisation                |             | 27    | 49         |
| Professionalism or competence |             | 8     | 10         |
| Methods and techniques        |             | 238   | 440        |
| Case studies                  |             | 53    | 62         |
| Comparative studies           |             | 12    | 15         |
| Content analysis              |             | 8     | 8          |
| Descriptive statistics        |             | 7     | 7          |
| Discourse analysis            |             | 0     | 0          |
| Documentary research          |             | 33    | 37         |
| Ethnographic research         |             | 6     | 8          |
| Focus group                   |             | 5     | 5          |
| In-depth interviews           |             | 82    | 111        |
| Inferential statistics        |             | 1     | 1          |
| Literature review             |             | 12    | 14         |
| Methods not clear             |             | 1     | 1          |
| Network analysis              |             | 7     | 14         |
| Participant observation       |             | 5     | 5          |
| QCA                           |             | 2     | 5          |
| Quasi-experimental designs    |             | 3     | 3          |
| Regression models             |             | 155   | 195        |
| Surveys                       |             | 89    | 129        |
| Theoretical framework         |             | 87    | 289        |
| Game theory                   |             | 6     | 6          |
| Informational theories        |             | 1     | 6          |

| Name                                 | Description   | Files | References |
|--------------------------------------|---|-------|------------|
| Institutional theories               | Institutional theories in political science.  | 13    | 27         |
| Organizational theories              |   | 2     | 3          |
| Political economy                    |   | 6     | 7          |
| Political sociology                  |   | 1     | 1          |
| Principal-agent theory or delegation |   | 54    | 88         |
| Rational choice                      | It includes social/public choice theories as they are based on the concept of rationality and economic analytical models. | 13    | 17         |
| Spatial models                       |   | 0     | 0          |